CREDERE ASSOCIATES, LLC
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May 18, 2011

Ms. Kimberly N. Tisa
Regional PCB Coordinator
Office of Ecosystem Protection
Environmental Protection Agency Region 1
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, Massachusetts 02109-3912

Subject: **Site Characterization and PCB Cleanup Plan**
Former Sullivan School
45 School Street, Berwick, Maine

Dear Ms. Tisa:

On behalf of Sullivan School Associates LP, Credere Associates, LLC (Credere) respectfully requests approval for the following proposed plan to address polychlorinated biphenyls (PCB) detected at the former Sullivan School located at 45 School Street in Berwick, Maine, hereinafter, the "subject property."

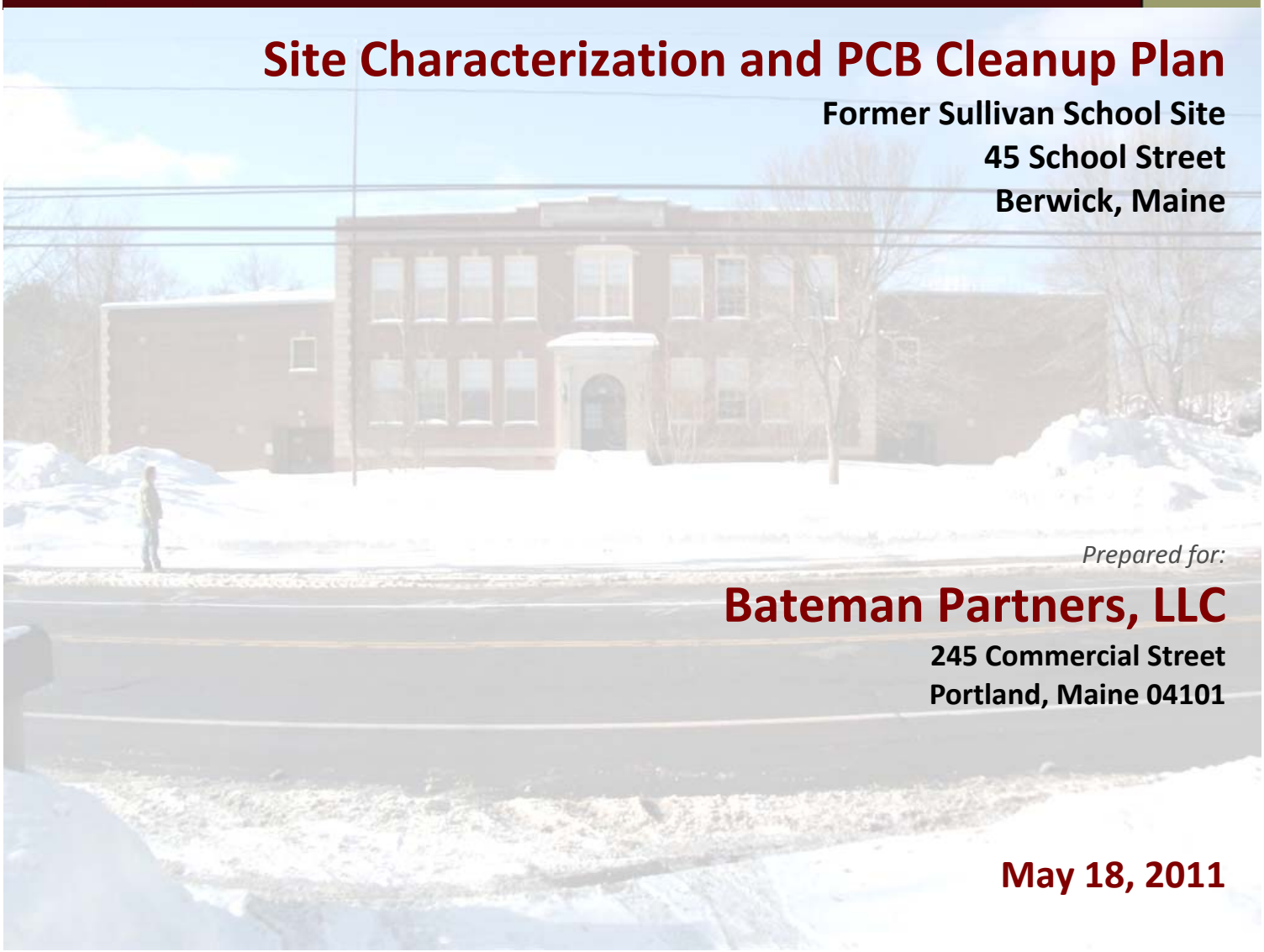
This plan has been prepared to remove identified PCB Bulk Product Waste in accordance with an alternative decontamination approval tendered under 40 CFR 761.79(h) and dispose of this waste in accordance with 40 CFR 761.62(a). In addition, approval is requested to dispose and verify the removal of bulk materials with PCB concentrations greater than 1 mg/kg, which are the result of impact by identified PCB Bulk Product Wastes, in accordance with 40 CFR 761.61(a) and 40 CFR 761.61(c). Areas at the subject property which have been identified to contain PCB Bulk Product Waste and/or bulk materials with PCB concentrations greater than 1 mg/kg as a result of impact by PCB Bulk Product Wastes are hereinafter defined as the "Site." Procedures and regulations cited in this report are consistent with those included in 40 CFR 761 and presented by EPA Region 1. If there are any questions, please contact the undersigned.

Respectfully Submitted,
CREDERE ASSOCIATES, LLC

Jedd S. Steinglass
Senior Project Manager

Robert I. Patten, P.E., L.S.P., LEEP-AP
Vice President

cc: Nathan Bateman, Bateman Partners, LLC
Gordon Fuller, Maine DEP
Keith Trefethen, Town Manager and Health Officer, Town of Berwick



Site Characterization and PCB Cleanup Plan

Former Sullivan School Site
45 School Street
Berwick, Maine

Prepared for:

Bateman Partners, LLC

245 Commercial Street
Portland, Maine 04101

May 18, 2011

Submitted by:

Credere Associates, LLC
776 Main Street
Westbrook, Maine 04092

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1. SITE OVERVIEW

1.1 BACKGROUND

The Former Sullivan School was operated as a public school from approximately 1872 until approximately 2004. Prior to the construction of the current building, two older school buildings were present in the same location. These buildings were reportedly destroyed by fire in 1894 and 1927.

The central section of the current subject property building is the oldest portion, being constructed in 1927. This three-story portion of the building is composed primarily of brick with wooden floors and plaster over masonry walls and plaster ceilings. Two wings were added to the north and south sides of the original building in 1959 and 1961, respectively. Each of these two-story wings extends past the rear of the original building forming a courtyard on the northwest side of the building. These wings are constructed of concrete block with brick façade and contain concrete block walls, vinyl tile and painted poured concrete floors, and mineral fiber tile ceilings.

A Site Locus Plan is included for reference as **Figure 1**.

No workers, students, or other individuals are currently present at the subject property for any significant duration. The subject property building is locked and secure with access controlled by the Town of Berwick. However, the proposed reuse scenario includes renovation and redevelopment as workforce housing by Sullivan School Associates, LP. Anticipated tasks in order to complete the redevelopment include the demolition of a portion of the subject property building, the comprehensive renovation of remaining areas, and the construction of an addition.

The current owner of the subject property is the Town of Berwick. However, Sullivan School Associates, LP intends to purchase the subject property for the duration of the remediation and redevelopment, and then transfer the property back to the Town of Berwick. From that point forward, Sullivan School Associates, LP would operate and manage the subject property under a long-term lease.

Prior to the initiation of proposed redevelopment activities at the subject property, Credere directed an investigation of potential hazardous building materials. This investigation included radon, asbestos, and lead-based paint surveys and a limited initial sampling protocol to identify the presence of potential polychlorinated biphenyl (PCB) Bulk Product Waste.

Based on previous project experience, Credere conducted an inventory of suspect PCB-containing building materials at the subject property, including paint, caulking, sealants, grout, mastic, glazing, and insulation. Consistent with this inventory and the results of previous investigations at similar sites, 20 samples that were determined to have a reasonable likelihood of containing PCBs were collected and analyzed.

In accordance with the above, 20 initial samples, including 15 paint samples and 5 samples of representative caulking/glazing/expansion joint material, were obtained from the subject property on February 17, 2001. These initial samples were submitted to Spectrum Analytical, Incorporated (Spectrum), an independent EPA-certified analytical laboratory located in Agawam, Massachusetts for analysis of PCBs by EPA Method 8082 using manual Soxhlet extraction Method 3540. Based on the results of this initial sampling, no concentrations of PCBs were identified in caulking/glazing/expansion joint material collected from the subject property building in excess of 1 mg/kg. As such, these materials are not included as a potential PCB Bulk Product Wastes at the subject property. However, the collected initial paint samples contained concentrations of PCBs ranging from less than the method detection limit to 1,010 mg/kg. Based on these initial analytical results, and as no other source or evidence of a release of PCBs was identified within the subject property building, paint located at the subject property with PCB concentrations which are greater than or equal to 50 mg/kg are considered to represent PCB Bulk Product Waste as defined at 40 CFR 761.3.

Initial sample locations are depicted on **Figures 2** though **4**. Site photographs are included as **Appendix A** and a copy of the initial laboratory analytical results is included as **Appendix B**.

1.2 SITE PARAMETERS

Coordinates: Latitude 43° 16' 07.5" N Longitude 70° 51' 41.0" W
UTM 4,792,349 Meters N UTM 348,941 Meters E (Zone 19)

Ownership: The subject property is currently owned by the Town of Berwick, Maine. However, the ownership entity during the remedial actions will be Sullivan School Associates, LP. Contact information is included as **Appendix C.**

Occupancy & Use: The subject property is currently vacant. Formerly, the subject property was occupied by the Sullivan School and used as a public day school.

Adjacent Properties: The subject property is located near the commercial and industrial center of Berwick. Adjoining and/or adjacent properties include the following:

North: The subject property is bordered to the north by the Berwick Police Station.

East: The subject property is bordered to the east by School Street, beyond which are residential properties.

South: The subject property is bordered to the south by residential properties and a church.

West: The subject property is bordered to the west by undeveloped land, beyond which are residential and commercial properties.

Surrounding Receptors: The Maine DEP Geographic Information System (GIS) Environmental and Geographic Analysis Database (EGAD) (http://www.maine.gov/dep/gis/datamaps/index.htm#EGAD) was reviewed via the Maine DEP Google™ Earth application for the Site and surrounding area on May 2, 2011. According to the EGAD, the subject property is not located within an environmentally sensitive area and no public or private drinking water supply sources are located within 0.5 miles of the Site. The Salmon Falls River is situated approximately 1,400 feet southwest of the subject property and a designated sand and gravel aquifer is located approximately 3,000 feet northwest of the subject property. No additional relevant features were noted within a 0.5-mile radius of the subject property.

2. SITE CHARACTERIZATION

Based on the reported concentrations of PCBs in initial paint samples collected from the subject property on March 17, 2011, Credere personnel conducted additional Site Characterization[1] activities between April 12 and May 11, 2011. This work was conducted in order to characterize and determine the appropriate disposal method for PCB Bulk Product Waste[2] and potentially PCB-impacted bulk materials which could be generated during proposed renovation activities. Credere collected representative samples of bulk products and/or the underlying porous surfaces for PCB analysis from a total of 101 representative locations at the subject property. The methodology employed during sample collection was designed to distinguish between: 1) potential PCB Bulk Product Waste, 2) impacted bulk materials which contain concentrations of PCBs as a result of contact with PCB Bulk Product Waste, 3) Excluded PCB Products[3], and 4) unregulated materials.

During Site Characterization activities, Credere ensured that each sample was collected from the matrix in question and adjacent products (i.e. sheetrock, wood, brick, or separately applied paint layers) were excluded from the aliquot. This method was used to minimize the possibility that potentially regulated PCB concentrations were diluted by unrelated materials. Copies of the Standard Operating Procedures used during Site Characterization activities are included as **Appendix D**.

2.1 PCB BULK PRODUCT WASTE SAMPLING

2.1.1 Paint Sampling

Credere personnel collected paint chip samples from 93 representative locations at the subject property. These samples were obtained to characterize different types of paint located within and along interior and exterior portions of the building. Paint samples were obtained from select walls, floors, and ceilings. Consistent with observed conditions, the majority of the paint applications displayed no indication of potential dilution (i.e. multiple paint layers), though where potential dilution was noted, samples were obtained from each discrete layer for analysis. Credere personnel utilized dedicated paint scrapers to collect a minimum of 10 grams of paint per sample. The paint chip samples were collected in accordance with the EPA *Standard Operation Procedure* (SOP) *for Sampling Porous Surfaces for PCBs* and EPA *SOP No. 2011 for Chip, Wipe, and Sweep Sampling*. The paint chip samples were submitted to Spectrum for analysis of PCBs by EPA Method 8082 using manual Soxhlet extraction Method 3540.

2.1.2 Mastic Sampling

As a conservative measure, one representative sample of mastic associated with vinyl tile flooring material was collected. Credere personnel utilized dedicated paint scrapers and cutting

[1] Site Characterization Activities were conducted in general accordance with 40 CFR 761.61(a)
[2] As defined at 40 CFR 761.3
[3] As defined at 40 CFR 761.3

tools to collect a minimum of 10 grams of material. Sampling was conducted in accordance with the EPA *SOP for Sampling Porous Surfaces for PCBs* and EPA *SOP No. 2011 for Chip, Wipe, and Sweep Sampling*. The mastic sample was submitted to Spectrum for analysis of PCBs by EPA Method 8082 using manual Soxhlet extraction Method 3540.

2.2 BULK MATERIAL SAMPLING

2.2.1 Concrete

Credere personnel collected bulk samples of porous materials underlying select paint samples from two locations. This sampling was conducted to determine if bulk materials located at the Site had been impacted by concentrations of PCBs contained within the identified PCB Bulk Product Waste. The sampling of this material was limited due to time constraints and the assumption that porous bulk materials located below identified PCB Bulk Product Waste would be completely removed during cleanup activities.

Prior to sample collection, Credere personnel removed paint from the sample surface to reduce the possibility of cross-contamination. The samples were then collected in accordance with the EPA Region I *Draft SOP for Sampling Concrete in the Field*. Credere personnel collected the bulk material samples using an impact hammer drill, dedicated 0.5-inch masonry drill bits, and dedicated scoopulas to collect a minimum of 10 grams of material from the sampling surface to 0.5-inches below grade. The bulk material samples were submitted to Spectrum for analysis of PCBs by EPA Method 8082 using manual Soxhlet extraction Method 3540.

2.2.2 Vertical Delineation

As areas of the subject property in which PCB Bulk Product Waste paint were identified are either scheduled for demolition or consist of materials that may be completely removed with relative ease, vertical delineation sampling within the concrete floor and brick walls was not conducted.

2.3 QUALITY ASSURANCE / QUALITY CONTROL SAMPLING

Throughout the Site Characterization activities, Credere followed quality assurance / quality control (QA/QC) procedures described in the *EPA Region I Draft Standard Operating Procedure for Sampling Concrete in the Field*. Credere's QA/QC program included the collection of five blind co-located field duplicate samples, identified as Dup-01 through Dup-05. These samples were obtained during Site Characterization activities conduced on April 12 and 26, 2011 and were submitted to Spectrum for analysis of PCBs by EPA Method 8082 using manual Soxhlet extraction Method 3540.

2.4 LABORATORY ANALYTICAL RESULTS

Results of laboratory analysis of bulk product and bulk material samples collected between February 17 and May 11, 2011 are summarized below in **Table 1**. A copy of the original

laboratory data, laboratory QA/QC, methods, and chain of custody forms are presented in **Appendices B** and **E**. Sample locations and total PCB concentrations are depicted on **Figures 2** though **4**.

Table 1 - Site Characterization Results Summary							
Sample ID	**Material Description**	**Substrate**	**Sample Location**	**Sample Date**	**Analysis Date**	**Surrogate Recovery[1]**	**Total PCBs[2]**
BM- 1	Matte White Wall Paint Behind Lockers	Brick	Hallway-01	3/17/2011	3/23/2011	85/70	40.00
BM- 2	Yellow Wall Paint Behind Lockers	Brick	Hallway-01	3/17/2011	3/23/2011	130/90	***52.30***
BM- 3	Gray Wall Paint	Brick	Boiler-01	3/17/2011	3/23/2011	43/42	1.72
BM- 4	White Wall Paint	Brick	Boiler-01	3/17/2011	3/23/2011	98/64	<0.104
BM- 5	Dark Green Floor Paint	Concrete	Boiler-01	3/17/2011	3/23/2011	139/111	6.38
BM- 6	Light Gray Floor Paint	Concrete	BA-04	3/17/2011	3/23/2011	126/84	7.07
BM- 7	Glossy White Wall Paint	Brick	BA-04	3/17/2011	3/23/2011	142/73	3.95
BM- 8	Dark Green Floor Paint	Metal Stairs	North Stairs-01	3/17/2011	3/23/2011	142/135	6.36
BM- 9	Black Wall Paint	Plaster	Class-09	3/17/2011	3/23/2011	*202*/149	4.14
BM- 10	Light Blue Wall Paint	Plaster	Class-06	3/17/2011	3/23/2011	115/97	8.02
BM- 11	White Wall Paint	Concrete Block	Gym-01	3/17/2011	3/23/2011	123/91	1.02
BM- 12	Medium Gray Bottom Layer Floor Paint	Concrete	Boys-02	3/17/2011	3/23/2011	Diluted[3]	***1,430.00***
BM- 13	Dark Blue Wall Paint	Plaster	Class-20	3/17/2011	3/23/2011	148/99	7.52
BM- 14	White Ceiling Paint	Metal Built-Up Roof	Gym-01	3/17/2011	3/23/2011	131/82	0.48
BM- 15	Medium Gray Floor Paint	Concrete	Class-03	3/17/2011	3/23/2011	Diluted[3]	***1,080.00***
BM- 16	White Exterior Expansion Joint	Brick	Hallway-01	3/17/2011	3/23/2011	144/111	0.36
BM- 17	Light Gray Exterior Window Caulk	Brick	Class-02	3/17/2011	3/23/2011	120/116	<0.169
BM- 18	Dark Gray Exterior Door Caulk	Brick	Shop-02	3/17/2011	3/23/2011	*820*/95	<0.950
BM- 19	White Exterior Window Glazing	Metal Window	Boiler-02	3/17/2011	3/23/2011	139/114	<0.195
BM- 20	Dark Brown Exterior Door Caulk	Concrete Block	Gym-01	3/17/2011	3/23/2011	125/92	<0.964
BM- 21	Light Blue Wall Paint	Concrete	BA-01	4/12/2011	4/23/2011	132/119	<0.101
BM- 22	White Wall Paint	Concrete	BA-01	4/12/2011	4/20/2011	131/114	<0.101
BM- 23	Green Floor Paint	Concrete	BA-01	4/12/2011	4/20/2011	97/99	5.16
BM- 24	White Ceiling Paint	Plaster	BA-01	4/12/2011	4/23/2011	121/101	7.84
BM- 25	White Wall Paint	Brick	Hallway-07	4/12/2011	4/20/2011	97/92	12.50
BM- 26	Yellow Wall Paint	Brick	Hallway-07	4/12/2011	4/20/2011	98/80	7.68
BM- 27	Dark Green Top Layer Floor Paint	Light Gray Floor Paint	Hallway-07	4/12/2011	4/20/2011	103/82	5.76
BM- 28	Light Gray Mid Layer Floor Paint	Green Floor Paint	Hallway-07	4/12/2011	4/20/2011	107/102	6.05

Table 1 - Site Characterization Results Summary							
Sample ID	**Material Description**	**Substrate**	**Sample Location**	**Sample Date**	**Analysis Date**	**Surrogate Recovery[1]**	**Total PCBs[2]**
BM- 29	Green Bottom Layer Floor Paint	Concrete	Hallway-07	4/12/2011	4/20/2011	114/95	9.05
BM- 30	White Wall Paint	Brick	Boiler-02	4/12/2011	4/20/2011	139/132	<0.097
BM- 31	Light Blue Wall Paint	Brick	Boiler-02	4/12/2011	4/20/2011	94/50	<0.093
BM- 32	Dark Green Floor Paint	Concrete	Boiler-02	4/12/2011	4/20/2011	92/100	4.36
BM- 33	Yellow Wall Paint	Brick	BA-03	4/12/2011	4/23/2011	117/95	5.54
BM- 34	Light Gray Ceiling Paint	Plaster	BA-03	4/12/2011	4/20/2011	90/71	7.01
BM- 35	Light Gray Floor Paint	Concrete	BA-04	4/12/2011	4/20/2011	82/68	2.92
BM- 36	Dark Blue Wall Paint	Brick	BA-04	4/12/2011	4/20/2011	111/116	5.29
BM- 37	Dark Blue Wall Paint	Concrete Block	Boys-02	4/12/2011	4/20/2011	78/91	6.98
BM- 38	White Wall Paint	Concrete Block	Boys-02	4/12/2011	4/20/2011	94/95	5.25
BM- 39	Bright Green Wall Paint	Concrete Block	Girls-01	4/12/2011	4/22/2011	108/101	4.09
BM- 40	White Ceiling Paint	Plaster	Girls-01	4/12/2011	4/22/2011	132/117	3.13
BM- 41	Light Gray Floor Paint	Concrete	Gym-03	4/12/2011	4/22/2011	104/109	2.78
BM- 42	Light Gray Floor Paint	Concrete	Gym-04	4/12/2011	4/22/2011	135/93	4.30
BM- 43	Medium Gray Floor Paint	Concrete	Gym-05	4/12/2011	4/25/2011	105/70	**39.20**
BM- 44	Yellow Wall Paint	Concrete Block	Gym-03	4/12/2011	4/22/2011	137/93	1.51
BM- 45	Light Gray Floor Paint	Concrete	Gym-02	4/12/2011	4/22/2011	125/93	0.54
BM- 46	Purple Wall Paint	Concrete Block	Gym-01	4/12/2011	4/22/2011	91/85	0.87
BM- 47	Yellow Wall Paint	Brick	Hallway-02	4/12/2011	4/22/2011	113/95	5.09
BM- 48	White Wall Paint	Brick	Hallway-02	4/12/2011	4/22/2011	106/105	3.32
BM- 49	Yellow Wall Paint	Brick	Hallway-02	4/12/2011	4/22/2011	107/121	4.28
BM- 50	White Wall Paint	Brick	Hallway-02	4/12/2011	4/22/2011	106/126	2.98
BM- 51	White Wall Paint	Brick	Hallway-01	4/12/2011	4/22/2011	103/121	15.32
BM- 52	Yellow Wall Paint	Brick	Hallway-01	4/12/2011	4/23/2011	124/89	8.28
BM- 53	White Wall Paint	Concrete Block	Hallway-01	4/12/2011	4/23/2011	98/112	9.91
BM- 54	Yellow Wall Paint	Concrete Block	Hallway-01	4/12/2011	4/23/2011	111/140	14.95
BM- 55	Light Green Wall Paint	Concrete Block	Class-01	4/12/2011	4/23/2011	125/94	12.60
BM- 56	Medium Gray Floor Paint	Concrete	Shop-01	4/12/2011	4/25/2011	Diluted[3]	***726.00***
BM- 57	Medium Gray Floor Paint	Concrete	Shop-02	4/12/2011	4/25/2011	Diluted[3]	***1,420.00***
BM- 58	White Wall Paint	Brick	North Stairs-01	4/12/2011	4/23/2011	87/98	12.26
BM- 59	Concrete	Soil	Class-03	4/12/2011	4/21/2011	114/131	6.78
BM- 60	Concrete	Soil	Boys-02	4/12/2011	4/21/2011	122/113	12.90

Table 1 - Site Characterization Results Summary							
Sample ID	**Material Description**	**Substrate**	**Sample Location**	**Sample Date**	**Analysis Date**	**Surrogate Recovery[1]**	**Total PCBs[2]**
BM- 61	White Wall Paint	Plaster	Hallway-03	4/12/2011	4/22/2011	120/116	8.07
BM- 62	Yellow Wall Paint	Plaster	Hallway-03	4/12/2011	4/22/2011	126/138	9.98
BM- 63	Mixture of Green and Light Gray Floor Paint	Concrete	Boys-01	4/12/2011	4/22/2011	95/101	<0.142
BM- 64	Light Gray Bottom Layer Floor Paint	Concrete	Boys-01	4/12/2011	4/22/2011	97/95	18.30
BM- 65	White Wall Paint over Light Aqua Green Paint	Concrete	Class-03	4/12/2011	4/25/2011	95/95	***66.40***
BM- 66	Yellow Wall Paint	Brick	North Stairs-02	4/12/2011	4/22/2011	121/130	14.37
BM- 67	White Wall Paint	Brick	North Stairs-02	4/12/2011	4/22/2011	139/121	9.89
BM- 68	Dark Green Floor Paint	Metal Stairs	North Stairs-02	4/12/2011	4/22/2011	149/133	10.00
BM- 69	White Wall Paint	Brick	Hallway-05	4/12/2011	4/22/2011	145/102	10.80
BM- 70	Yellow Wall Paint	Brick	Hallway-05	4/12/2011	4/22/2011	116/107	13.56
BM- 71	Dark Blue Wall Paint	Concrete Block	Class-12	4/12/2011	4/22/2011	91/98	2.32
BM- 72	Light Green Wall Paint	Concrete Block	Class-14	4/12/2011	4/22/2011	100/104	3.03
BM- 73	Dark Red Exterior Wall Paint	Concrete Block	Gym-05	4/12/2011	4/22/2011	125/117	<0.0916
BM- 74	Yellow Wall Paint Next to Lockers	Brick	Hallway-01	4/26/2011	5/4/2011	100/75	**28.50**
BM- 75	White Wall Paint Next to Lockers	Brick	Hallway-01	4/26/2011	5/4/2011	125/*200*	**34.30**
BM- 76	White Wall Paint Above Lockers	Brick	Hallway-01	4/26/2011	5/4/2011	125/*200*	**42.30**
BM- 77	Yellow Wall Paint	Concrete Block	Hallway-01	4/26/2011	5/4/2011	100/100	23.70
BM- 78	White Wall Paint	Concrete Block	Hallway-01	4/26/2011	5/4/2011	125/125	**46.00**
BM- 79	White Wall Paint	Concrete Block	Shop-02	4/26/2011	5/5/2011	Diluted[3]	***247.00***
BM - 80	White Wall Paint	Concrete Block	Shop-01	4/26/2011	5/4/2011	125/*351*	***63.80***
BM- 81	White Wall Paint	Concrete Block	Class-03	4/26/2011	5/4/2011	100/*225*	***110.00***
BM- 82	White Wall Paint over Light Aqua Green Paint	Plaster	Class-11	4/26/2011	5/6/2011	*280/280*	9.04
BM- 83	Yellow Wall Paint	Brick	South Stairs-01	4/26/2011	5/4/2011	100/125	5.33
BM- 84	White Wall Paint	Brick	South Stairs-01	4/26/2011	5/4/2011	75/125	5.35
BM- 85	Medium Gray Floor Paint	Concrete	Gym-05	4/26/2011	5/4/2011	100/125	**39.30**
BM- 86	Medium Gray Floor Paint	Concrete	Gym-05	4/26/2011	5/4/2011	100/100	***61.90***
BM- 87	Light Gray Floor Paint	Concrete	BA-04	4/26/2011	5/4/2011	100/125	4.40
BM- 88	White Wall Paint	Brick	Hallway-06	4/26/2011	5/4/2011	125/125	3.86
BM- 89	Yellow Wall Paint	Brick	Hallway-06	4/26/2011	5/4/2011	100/125	5.97

Table 1 - Site Characterization Results Summary

Sample ID	Material Description	Substrate	Sample Location	Sample Date	Analysis Date	Surrogate Recovery[1]	Total PCBs[2]
BM- 90	White Wall Paint	Concrete Block	Class-24	4/26/2011	5/4/2011	100/150	1.14
BM- 91	Light Gray Bottom Layer Floor Paint	Concrete	Girls-02	4/26/2011	5/4/2011	100/125	6.71
BM- 92	Medium Green Wall Paint	Concrete Block	Class-15	4/26/2011	5/4/2011	100/100	7.54
BM- 93	Black Tile Mastic	Concrete	Class-16	4/26/2011	5/4/2011	100/125	0.70
BM- 94	Medium Gray Floor Paint	Concrete	Gym-04	5/11/2011	5/15/11	103/73.6	6.61
BM- 95	Medium Gray Floor Paint	Concrete	Gym-03	5/11/2011	5/15/11	102/83.8	4.79
BM- 96	Light Aqua Green Wall Paint	Plaster	Class-11	5/11/2011	5/17/11	*280/250*	5.87
BM- 97	Light Blue Wall Paint	Plaster	Class-11	5/11/2011	5/15/11	90.6/99.6	4.66
BM- 98	Light Green Wall Paint	Plaster	Class10	5/11/2011	5/15/11	109/97	4.94
BM- 99	Light Blue Wall Paint	Plaster	Class-09	5/11/2011	5/15/11	89/77	6.04
BM- 100	Light Green Wall Paint	Metal	Class-23	5/11/2011	5/16/11	64.5/57.5	4.70
BM- 101	Light Green Wall Paint	Brick	Class-24	5/11/2011	5/16/11	115/79.5	3.65

Notes:
1 Data is presented as a recovery percentage of an added concentration of decachlorobiphenyl. Results are reported for column 1 and column 2 (χ / γ).
2 Total PCBs are reported in mg/kg as an aggregate of Aroclor 1254, 1260, and 1262. No additional Aroclor compounds were detected.
3 Data not available due to dilution required for high analyte concentration and/or matrix interference.
4 Surrogate recovery data which falls outside the acceptable range is indicated by *italic magenta* text.
5 Total PCB concentrations in excess of 25 mg/kg are indicated by **bold orange text.**
6 Total PCB concentrations in excess of 50 mg/kg are indicated by ***bold italic red text.***

2.5 QA / QC RESULTS

Laboratory analytical results for the blind collocated field duplicate samples and their corresponding Site Characterization samples are summarized below in **Table 2**. A copy of the Site Characterization laboratory data, laboratory QA/QC, methods, and chain of custody forms are presented in **Appendix E**.

Table 2 – QA/QC Results Summary				
Sample ID	**Total PCBs[1]**	**Surrogate Recovery[2]**	**Sample Date**	**Analysis Date**
Duplicate-01	3.693	115/82	4/12/2011	4/22/2011
BM-35	2.920	82/68	4/12/2011	4/20/2011
Duplicate-02	18.24	98/108	4/12/2011	4/22/2011
BM-51	15.32	103/121	4/12/2011	4/22/2011
Duplicate-03	10.30	147/138	4/12/2011	4/22/2011
BM-69	10.80	145/102	4/12/2011	4/22/2011
Duplicate 04	41.10[4]	50/50	4/26/2011	5/6/11
BM-82	6.240[4]	225/200	4/26/2011	5/6/11
Duplicate-04 (Re-Analysis)	9.440	485/295	4/26/2011	5/10/11
BM-82 (Re-Analysis)	9.040	280/280	4/26/2011	5/10/11
Duplicate-05	245[4]	Diluted[3]	4/26/2011	
BM-86	39.30[4]	100/100	4/26/2011	5/2/11
Duplicate-05 (Re-Analysis)	179[4]	Diluted[3]	4/26/2011	5/10/11
BM-86 (Re-Analysis)	61.9[4]	200/400	4/26/2011	5/10/11

Notes:
1. Total PCBs are reported in mg/kg as an aggregate of Aroclor 1254 and 1260. No additional Aroclor compounds were detected.
2. Data is presented as a recovery percentage of an added concentration of decachlorobiphenyl. Results are reported for column 1 and column 2 (χ / γ).
3. Surrogate recovery could not be accurately quantified due to interference from coeluting organic compounds present in the sample matrix.
4. In cases for which co-located duplicate results did not correspond to the initial sample results either the material was presumptively considered to be PCB Bulk Product Waste or additional sampling was conducted to confirm results.

3. DISCUSSION

Based on the laboratory analytical results of bulk product and bulk material samples collected as part of Credere's Site Characterization, certain paint located within the subject property building is defined as a PCB Bulk Product Waste. In addition, select bulk materials which are covered with PCB Bulk Product Waste paint have been impacted by PCB concentrations present therein. The location of samples collected for the purpose of Site Characterization and the associated PCB concentrations are depicted on **Figures 2** though **4**.

3.1 AREA DESCRIPTIONS AND CONCLUSIONS

Photographs depicting subject property conditions can be referenced in **Appendix A**. In general, the following conclusions can be made based on observed conditions and Site Characterization data:

Basement

Based on previous experience, below-grade areas which would be subject to moisture and temperature fluctuations as well as those areas located in close proximity to the physical plant of a building have a higher potential to contain PCB Bulk Product Waste. As such, Credere focused a high concentration of Site Characterization sample locations in the basement.

The basement of the subject property building is generally characterized by painted concrete floors, painted brick walls, and painted plaster ceilings or drop acoustical tile ceilings with bare wood above. Potential PCB Bulk Product Waste samples were obtained from select floors, walls, and ceilings of the basement. Detectible PCB concentrations were relatively consistent across the sampled media, ranging from below the method detection limit to 12.50 mg/kg. Based on these conditions, no PCB Bulk Product Waste was identified in the basement of the subject property building.

Conditions and results described above can be referenced on **Figure 2**.

First Floor - Central Section

The 1923 vintage central section of the first floor of Site building is characterized by wooden floors with carpet, painted plaster walls, and drop acoustical tile ceilings with painted plaster ceilings above. Representative potential PCB Bulk Product Waste samples were obtained from the walls of the central section of the first floor. Consistent with observed conditions, no indication of potential dilution (i.e. multiple paint layers) was noted in the majority of the rooms and detectible PCB concentrations were relatively constant across the sampled media, ranging from 4.140 mg/kg to 9.982 mg/kg. However, analytical variability was identified in the paint sample collected from Class-11 through duplicate sampling. Further investigation of this room identified an older light aqua green base paint layer which was hidden beneath a newer white paint layer. As a result, Credere collected two additional paint samples from Class-11 which characterized the two potential different paint types. Based on these additional results, paint

within Class-11 contained PCB concentrations ranging from 4.655 mg/kg to 9.440 mg/kg. Regardless, based on the analytical variability identified through the duplicate sampling of this paint, Credere conservatively considered paint within Class-11 to represent PCB Bulk Product Waste.

Aside from the material described above, no additional suspect light aqua green paint and no PCB Bulk Product Waste were identified in the central section of the first floor of the Site building. Conditions and results described above can be referenced on **Figure 3**.

First Floor - North Wing

The 1959 north wing addition to the subject property building contains painted concrete block walls, poured concrete floors with vinyl tile above, and unpainted mineral fiber tile ceilings. Exceptions to the above include Hallway-01, the Shop (Class-03, Shop-01, and Shop-02), and Boys-01. The south side of Hallway-01 contains matte yellow and white painted brick along the section of the wall that is shared with the central portion of the subject property building. The Shop contains medium gray painted concrete floors and a bare metal ceiling, and the concrete floors in Boys-01 are covered with dark green paint over light gray paint.

Samples obtained from the painted concrete block walls in the classrooms, bathroom, and Hallway-01 (north side) in this area contained PCB concentrations ranging from below the method detection limit to 18.30 mg/kg. No PCB Bulk Product Waste was identified in these areas of the subject property building.

Alternatively, both the medium gray paint on the floors, as well as the white paint on the concrete block walls in the Shop (Class-03, Shop-01, and Shop-02), were characterized as PCB Bulk Product Waste. Based on the use of this area as a workshop which contained a kiln, the use of PCB-containing paint is logical. Consistent with the concentrations of PCBs identified in the wall paint in this area and previous experience with similar scenarios, it is unlikely that the concrete block located below the wall paint meets the definition of PCB Remediation Waste; however this conclusion will be confirmed through verification sampling after remediation is complete.

In rooms Class-03, Shop-01, and Shop-02, gray floor paint PCBs concentrations ranged from 726 to 1,420 mg/kg, meeting the definition of PCB Bulk Product Waste. The concrete floor in Class-03 was also analyzed to contain PCBs at a concentration of 6.780 mg/kg. Therefore, concrete floor material in these three areas has been characterized as PCB Remediation Waste.

In addition, certain paint located along the south side of Hallway-01, which included both brick and concrete walls, contained concentrations of PCBs that were either slightly above 50 mg/kg (52.30 mg/kg) or were relatively close to this level, ranging from 8.279 to 46.00 mg/kg. The higher concentrations were detected along the brick sections of wall with the concrete block sections displaying lower PCB levels. In accordance with the criteria presented in **Section 3.2.3**, paint located along the entire south side of Hallway-01 has been conservatively characterized as

a PCB Bulk Product Waste. Based on the concentrations of PCBs identified in the wall paint and previous experience with similar scenarios, it is unlikely that the brick located below this paint meets the definition of PCB Remediation Waste; however this conclusion will be confirmed through verification sampling.

Conditions and results described above can be referenced on **Figure 3**.

First Floor - South Wing

This section of the subject property building was constructed in 1961 and is characterized by painted concrete block walls, poured concrete floors with vinyl tile above, and unpainted mineral fiber tile ceilings. Exceptions to the above include Hallway-02, which contains painted brick along the wall which is shared with the central portion of the subject property building, and the Gym (Gym-01) which was constructed with a painted metal ceiling. In addition, support rooms Gym-02 through Gym-04 contain light gray painted concrete floors and the floors in Gym-05 consist of medium gray painted concrete. Finally, bathrooms Boys-02 and Girls-01 contain dark green or light gray top coats with a medium gray base layer of paint over concrete.

Paint samples obtained from the concrete block walls and plaster and metal ceilings in the gym, classrooms, bathrooms, supports rooms, and hallway in this area contained PCB concentrations ranging from below the method detection limit to 6.977 mg/kg. With the exception of the bathrooms and Gym-05, PCB concentrations identified in floor paint in this portion of the subject property ranged from 0.540 to 6.610 mg/kg. Therefore, no PCB Bulk Product Waste was identified in these areas of the subject property building.

The medium gray base layer of paint on the floor in Boys-02 contained PCBs at a concentration of 1,430 mg/kg. Though no sample was collected, the base layer of paint in Girls-01 was consistent and is assumed to contain similar PCB concentrations. In addition, concrete collected from the floor of Boys-02 indicated that the floor within this room represents PCB Remediation Waste with a PCB concentration of 12.90 mg/kg. Likewise, it is assumed that the concrete floor of Girls-01 is subject to the same characterization. It is unclear why PCB-containing paint was used in these bathrooms, however the concentrations and paint type were similar to the material used in the Shop area and these floors may have been covered with surplus material.

The medium gray paint located along the floor of support room Gym-05 contained PCB concentrations that ranged from 31.70 mg/kg to 61.90 mg/kg. A question of potential sample heterogeneity was identified in a co-located duplicate sample collected from this area which contained PCBs at a concentration of 179.0 mg/kg. Consistent with the above and based on the criteria presented in **Section 3.2.3**, paint located along the floor of Gym-05 has been characterized as a PCB Bulk Product Waste. In addition, though no concrete samples were analyzed in this area, the concrete floor will be relatively easy to remove for disposal so this material has been defined as PCB Remediation Waste. Credere is uncertain as to why PCB-containing paint was used in this area though electrical switchgear (non oil-filled) is located in this room.

Conditions and results described above can be referenced on **Figure 3**.

Second Floor - Central Section

The central section of the second floor of the subject property building is characterized by wooden floors with carpet, painted plaster walls, and drop acoustical tile ceilings with painted plaster ceilings above. The materials used in this area of the subject property building were consistent with those used in the central section of the first floor; however no light aqua green paint was identified in any area of the central section of the second floor. A representative wall paint sample obtained from this area of the subject property building contained PCBs at a concentration of 7.520 mg/kg. Consistent with observed conditions, no indication of potential dilution (i.e. multiple paint layers) was noted. No additional suspect light aqua green paint and no PCB Bulk Product Waste were identified in the central section of the second floor of Site building.

Conditions and results described above can be referenced on **Figure 4**.

Second Floor - North and South Wings

The second floor additions to the subject property building are of very similar construction as their first floor counterparts and contain painted concrete block walls, poured concrete floors with vinyl tile above, and unpainted mineral fiber tile ceilings. Exceptions to the above include limited sections of Hallways-05 and 06, which contain painted brick along the wall which is shared with the central portion of the subject property building, and the concrete floor of Girls-02, which is covered with dark green paint over light gray paint.

Samples obtained from the painted concrete block walls in the classrooms in this area, the brick walls of Hallways-05 and 06, and the base layer of paint from Girls-02 contained PCB concentrations ranging from 1.140 mg/kg to 13.56 mg/kg. In addition, PCB concentrations in tile mastic collected from Class-15 in this area were limited to 0.698 mg/kg. As such, and consistent with the qualifications described in **Section 3.2.3**, materials in the second floor north and south wings were not identified as PCB Bulk Product Waste.

Conditions and results described above can be referenced on **Figure 4**.

Basement through Second Floor - North and South Stairs

Stairwells in the subject property building contained very consistent construction materials. These included metal stairs which were painted with dark green paint, and yellow and white painted brick walls. Paint samples collected from these materials contained PCB concentrations which ranged from 5.330 mg/kg to 14.37 mg/kg. Consistent with these results and in accordance with the conditions described in **Section 3.2.3**, no PCB Bulk Product Waste was identified in the stairwells of the subject property building.

Conditions and results described above can be referenced on **Figures 2** through **4**.

3.2 EXTENT OF CONTAMINATION

3.2.1 PCB Bulk Product Waste

As determined by the results of the completed Site Characterization, PCB Bulk Product Waste paints were identified along certain floor and wall surfaces in the two new wings of the subject property building (i.e. the 1959 and 1961 additions). In addition, based on uncertainty identified in initial and QA/QC samples, certain wall paint in the central 1923 section of the subject property building is considered to represent PCB Bulk Product Waste.

Specifically these paints include:

- *Medium gray floor paint:* Identified in the Shop (Shop-01, Shop-02 and Class-03), the base layer of paint in Boys-02 and Girls-01, and in Gym-05.
- *White wall paint over concrete block in the Shop:* Identified only in the Shop (Shop-01, Shop-02 and Class-03).
- *Matte yellow and white wall paint:* Identified only in certain areas of the south side of Hallway-01. Numerous glossy yellow and white wall paint samples were collected from other areas of the subject property and did not exhibit the characteristics of PCB Bulk Product Waste.

No PCB Bulk Product Waste was identified in the collected ceiling paint samples. In addition, no samples collected from other bulk products (i.e. caulking, glazing, and mastic) indicated the presence of PCB Bulk Product Waste.

3.2.2 Impacted Bulk Materials (PCB Remediation Waste)

For the purposes of this report, materials which contain greater than 1 mg/kg as a result of contact or other impact by PCB Bulk Product Waste are considered to represent PCB Remediation Waste. Based on the results of the completed Site Characterization activities, PCB Remediation Waste was identified or is assumed to be present in concrete flooring materials located directly below surfaces which are coated with PCB Bulk Product Waste. Consistent with the concentrations of PCBs identified in PCB Bulk Product Waste wall paint and based on previous experience with other similar sites, it is unlikely that the brick and/or concrete block located below this material meets the definition of PCB Remediation Waste; however this conclusion will be confirmed through verification sampling after remediation is complete. In addition, certain suspect paint which has been considered to represent PCB Bulk Product Waste was applied to plaster wall materials. For the purposes of this project, it is assumed that this plaster has been impacted by concentrations of PCBs in excess of 1 mg/kg.

3.2.3 Excluded PCB Products

Certain materials included within Credere's Site Characterization contained concentrations of PCBs which were greater than 1 mg/kg and less than 50 mg/kg. However, to ensure that PCB concentrations analyzed in these materials were not diluted due to a mixed sample matrix, certain conditions were considered before it was determined that the Excluded PCB Product definition applied. Specifically, to be considered an Excluded PCB Product, no indication of multiple paint layers, uncertain paint history, or potential mixing of substrate with sample matrix were allowed. In addition, to further reduce uncertainty, and as a conservative measure due to the intended future use of the subject property for residential purposes, the action level used when designating a material as an Excluded PCB Product was reduced to 25 mg/kg.

Following the application of these conditions, certain floor, wall, and ceiling paint, as well as other bulk products such as caulking, glazing, and mastic located at the subject property meet the definition of an Excluded PCB Product. These materials are not included within the Site and are not scheduled for disposal. However, it should be noted that, with very rare exception, all identified Excluded PCB Products are scheduled for removal and replacement, or covering with permanent new materials (i.e. new steel stud and sheetrock wall systems) as part of the redevelopment of the subject property building. Though not regulated for disposal under the requirements of 40 CFR 761, if removed, these materials will be disposed of in accordance with State requirements.

3.3 DATA EVALUATION

Following the receipt of analytical results, Credere conducted a data validation review to ensure that all laboratory data is of defensible analytical quality. Procedures employed were consistent with *EPA Region I Data Validation Functional Guidelines for Evaluating Environmental Analyses*.

A review of QA/QC documentation and analytical narratives provided by Spectrum identified seven samples with decachlorobiphenyl surrogate recovery percentages outside of the recommended method range. According to Spectrum, this condition was due to interference from coeluting organic compounds present in the sample matrix and sample results were accepted based on remaining QA/QC data. In addition, the decachlorobiphenyl surrogate recovery data was diluted below quantification limits and/or was unquantifiable due to matrix interferences in five samples. The results were accepted based on the remaining QA/QC data. In ten of the twelve samples which exhibited the QA/QC concerns identified above, the materials of concern consisted of either PCB Bulk Product Waste or PCB Remediation Waste and are scheduled for disposal.

In the other two cases in which samples exhibited the QA/QC concerns identified above, the materials were not identified as PCB Bulk Product Waste or PCB Remediation Waste. These were samples BM-9 (Black wall paint in Class-09) and BM-18 (dark gray door caulk in Shop-02). Concentrations of PCBs in these samples ranged from below the method detection limit to

4.14 mg/kg, therefore, based on this range of concentrations and other laboratory-identified QAQC, Credere identified no evidence of false negative results in these samples.

Credere's review of laboratory data for blind collocated field duplicate samples documented no significant disparity in the analytical results or identified Aroclor compounds. Though there was variability between certain original and collocated duplicate samples, the results do not indicate a lack of accuracy in the concentration ranges of the selected action levels, i.e. QA/QC samples collected from material that was below the selected action levels matched the original samples from that concentration range and vice versa. In cases for which QA/QC results did not correspond to the initial sample results (BM-82/Dup-04 and BM-86/Dup-05), either the material was presumptively considered to be PCB Bulk Product Waste or additional sampling was conducted to confirm results. Based on these circumstances, it is the opinion of Credere that QA/QC analytical results do not represent a fault in the analytical method or further fault in the sampling technique and all data is usable without adjustment.

4. DISPOSAL AND ALTERNATIVE DECONTAMINATION PLAN

Based on the presented laboratory analytical results, and as painted surfaces located at the subject property have not been impacted by a spill of PCBs, certain paints located within the limits of the Site comprise PCB Bulk Product Waste, as defined in 40 CFR 761.3, and are regulated for disposal in accordance with 761.62.

As no cleanup levels for bulk materials impacted by concentrations of PCBs contained within a PCB Bulk Product Waste are presented in 40 CFR 761, these materials are proposed to be addressed in accordance with an alternative decontamination approval which is hereby requested pursuant to 40 CFR 761.79(h). Specifically, Credere proposes to consider these bulk materials PCB Remediation Waste, dispose of them in accordance with 40 CFR 761.61(a)(5), and utilize the less than or equal to 1 mg/kg action level presented at 40 CFR 761.61(a)(4)(i)(A).

The details of Credere's cleanup plan and alternative decontamination request are presented below. The specific areas selected from cleanup are depicted on **Figure 5** and summarized below in **Table 3.**

Table 3 – Summary of Cleanup Areas				
Area	**Wall Paint Remediation Technique**	**Wall Paint Remediation Quantity**	**Floor Remediation Technique**	**Floor Remediation Quantity**
Class-03	Abrasive blasting of concrete block walls	1,287 Square Feet	Complete removal of painted concrete, removal of 2 inches of underlying soil.	30 Cubic Yards
Shop-01	Abrasive blasting of concrete block walls	429 Square Feet	Complete removal of painted concrete, removal of 2 inches of underlying soil.	7 Cubic Yards
Shop-02	Abrasive blasting of concrete block walls	351 Square Feet	Complete removal of painted concrete, removal of 2 inches of underlying soil.	5 Cubic Yards
Hallway-01	Abrasive blasting of concrete block and brick wall (south side only)	670 Square Feet	None	None
Class-11	Presumptive complete removal of painted plaster wall covering system, structural materials to remain.	1,200 Square Feet	None	None
Girls-01	None	None	Complete removal of painted concrete, removal of 2 inches of underlying soil.	5 Cubic Yards
Boys-02	None	None	Complete removal of painted concrete, removal of 2 inches of underlying soil.	5 Cubic Yards
Gym-05	None	None	Complete removal of painted concrete, removal of 2 inches of underlying soil.	6 Cubic Yards
TOTAL		**3,937 Square Feet**		**58 Cubic Yards**

The above cleanup areas and methods are depicted on **Figure 5**.

4.1 CONTAINMENT MEASURES

The removal and disposal of PCB Bulk Product Waste and impacted bulk materials at the Site will be performed within fixed polyethylene containment systems and under a negative atmosphere environment which will be established using high volume air handlers equipped with HEPA filtration systems. In addition, supplied air will be provided to abatement personnel during the removal of PCB Bulk Product Waste to ensure worker safety and maintain a complete seal around each removal area. The efficacy of these containment measures will be monitored by a qualified industrial hygienist and air and/or dust sampling will be conducted both during and following the completion of removal efforts. These measures will minimize the potential for

dust, abrasive media, and any other waste to impact areas outside of the removal and decontamination areas.

4.2 PERFORMANCE-BASED DISPOSAL OF PCB BULK PRODUCT WASTE

In accordance with 40 CFR 761.62(a)(2), Credere will direct the removal and proper off property disposal of identified PCB Bulk Product Waste. With oversight provided by Credere, a qualified environmental services provider will remove the identified PCB Bulk Product Waste paint, which has been applied to brick and concrete block walls, using abrasive blasting. Blast media will not be recirculated to ensure that waste materials are not introduced back into the remediated surface. When PCB Bulk Product Waste paint is applied to surfaces or structures which are easily removed in their entirety for disposal, such as with poured slab concrete floors or plaster wall covering systems, these materials will be completely removed instead of remediated (See **Section 4.3** below). The areas of the Site which will be addressed through the performance-based disposal of PCB Bulk Product Waste are depicted on **Figure 5**.

Removed PCB Bulk Product Waste and the associated cleanup waste (i.e. blast media and plaster) will first be contained within polyethylene bags and then collected and contained within properly sealed and labeled D.O.T.-approved containers. Containerization and transport equipment used during remediation will be dedicated for use inside the Site or for outside the removal area. The transfer of waste will occur between this equipment within a contaminant reduction zone to minimize the migration of remediation waste through tracking. Remediation waste will ultimately be transported under Uniform Hazardous Waste Manifest for disposal at a hazardous waste landfill approved under 40 CFR 761.75.

Following the removal of waste media, the surfaces which remain within the removal area will be fine cleaned using high capacity vacuums equipped with HEPA filtration systems. It should be noted that the remediated concrete block walls in the Shop which will remain following PCB Bulk Product Waste removal will be enclosed by a new steel stud and sheetrock wall system. The structural materials which will remain after wall plaster removal will be similarly enclosed by new sheetrock walls. The concrete block and brick walls in Hallway-01 will be restored using new materials to emulate the original brick finish and will be primed and repainted.

Equipment utilized during performance-based disposal activities will be decontaminated in accordance with 40 CFR 761 Subpart S. Disposable equipment will be placed into properly labeled D.O.T.-approved containers for subsequent off property transport under Uniform Hazardous Waste Manifest for disposal at a hazardous waste landfill approved under 40 CFR 761.75.

4.3 ALTERNATIVE DECONTAMINATION OF BULK MATERIALS

Credere proposes the off property disposal of bulk materials with PCB concentrations greater than or equal to 1 mg/kg, or those materials which are assumed to contain these concentrations, at a hazardous waste landfill approved under 40 CFR 761.75.

Concrete floor materials will be removed using pneumatic hammers. Following concrete removal, approximately 2 inches of the exposed soil surface will also be removed to ensure that no PCB Remediation Waste remains. Plaster wall materials and the metal mesh to which it is applied will be removed manually to minimize the degradation of the waste material.

The above remediation waste materials will be collected and contained first within polyethylene bags and then within properly sealed and labeled D.O.T.-approved containers for off property transport under Uniform Hazardous Waste Manifest. Containerization and transport equipment used during remediation will be dedicated for use inside the Site or for outside the removal area. The transfer of waste will occur between this equipment within a contaminant reduction zone to minimize the migration of remediation waste through tracking.

Following the removal of waste media, the surfaces which remain within the removal area will be fine cleaned using high capacity vacuums equipped with HEPA filtration systems.

Remediation waste will be transported off property under Uniform Hazardous Waste Manifest for disposal at a hazardous waste landfill approved under 40 CFR 761.75.

Equipment utilized during alternative decontamination activities will be decontaminated in accordance with 40 CFR 761 Subpart S. Disposable equipment will be placed into properly labeled D.O.T.-approved containers for subsequent off property transport under Uniform Hazardous Waste Manifest for disposal at a hazardous waste landfill approved under 40 CFR 761.75.

4.4 POST-DISPOSAL AND ALTERNATIVE DECONTAMINATION VERIFICATION

At the completion of removal activities associated with the performance-based disposal of identified PCB Bulk Product Waste from concrete block, brick, and plaster wall surfaces, Credere personnel will conduct a visual assessment of the remediated walls to ensure that PCB Bulk Product Waste has been removed from the Site for proper disposal. Following acceptable visual results, verification samples will be collected from the remediated surfaces (i.e. brick or concrete block walls, or wooden studs) within the limits of the Site to ensure that no concentrations of PCBs in excess of 1 mg/kg remain in these bulk materials. Verification samples will be collected in accordance with the EPA Region I *Draft Standard Operating Procedure for Sampling Concrete in the Field*. Credere personnel will collect the bulk material samples using an impact hammer drill, dedicated 0.5-inch masonry drill bits, and dedicated scoopulas to obtain a minimum of 10 grams of material from the sampling surface to 0.5-inches below grade. The bulk material verification samples will be submitted to Spectrum for analysis of PCBs by EPA Method 8082 using manual Soxhlet extraction Method 3540.

Similarly, in order to ensure that media remaining following the removal and off property disposal of PCB-impacted concrete flooring have not been impacted as a result of the proposed removal efforts, confirmatory soil samples will be collected by Credere using appropriate EPA

protocol. These soil samples will be submitted to Spectrum for laboratory analysis of PCBs by EPA Method 8082 using manual Soxhlet extraction Method 3540.

Verification sample locations will be selected in general accordance with 40 CFR 761 Subpart O and a risk-based cleanup approval issued in accordance with 40 CFR 761.61(c). Credere will overlay a square grid system throughout each area selected for PCB Bulk Product Waste and PCB-impacted bulk material removal. Discrete samples will be collected from these grid points with a frequency of one sample for every 150 square feet of remaining media, or a minimum of three samples from each media (i.e. brick or concrete block wall, wooden studs, or soil) within each removal area, whichever is greater. A total of approximately 54 verification samples will be collected from the Site as depicted on **Figure 6**. QA/QC and data validation techniques employed during verification sampling activities will be consistent with those utilized for the previously completed Site Characterization.

4.5 CLEAN-UP STANDARDS

Following the completion of the proposed performance-based disposal activities, no visible PCB Bulk Product Waste identified during the Site Characterization will remain at the Site. In addition, porous surfaces from which the identified PCB Bulk Product Waste has been removed, and soil located below any removed impacted bulk material, will contain no concentrations of PCBs in excess of 1 mg/kg. As such, future usage of the Site will not be restricted.

4.6 RESTORATION

Upon completion of PCB Bulk Product Waste removal, and consistent with the redevelopment plans for the subject property, the remediated porous wall surfaces or structural wall components will be coated with fresh finish materials and paint, or enclosed within new permanent steel stud and sheetrock wall systems. In addition, areas of PCB-impacted concrete flooring removal will be restored through backfilling with gravel, the installation of a vapor barrier, and the pouring of a new concrete floor.

4.7 REMEDIATION WASTE DISPOSAL

PCB Bulk Product Waste and impacted bulk materials removed from the Site will be collected and contained within properly sealed and labeled D.O.T.-approved containers. These materials will then be transported off property under Uniform Hazardous Waste Manifest for disposal at a hazardous waste landfill approved under 40 CFR 761.75.

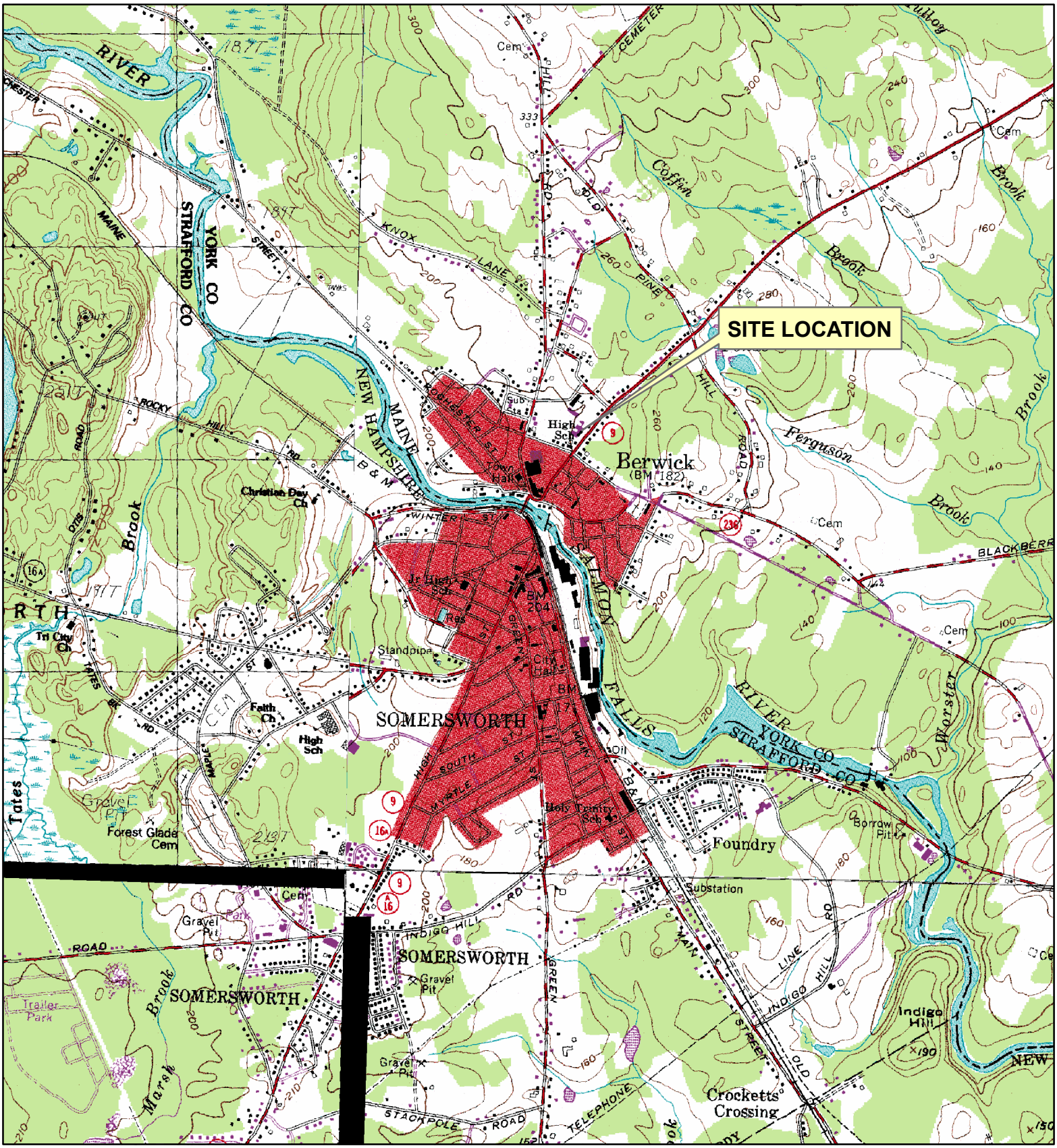
Non-disposable equipment utilized at the Site will be decontaminated in accordance with 40 CFR 761 Subpart S. Dust, residuals, disposable equipment, containment controls, and other cleanup wastes will be placed into properly labeled D.O.T.-approved containers for subsequent off property transport and disposal at a hazardous waste landfill approved under 40 CFR 761.75.

4.8 CONTINGENT REMOVAL ACTIVITIES

Upon completion of PCB Bulk Product Waste removal, Credere will conduct a visual inspection to ensure that all paint and cleanup waste has been removed from the underlying porous surfaces. If Credere notes residual paint or other material, additional cleanup efforts will be conducted. Similarly, if concentrations of PCBs equal to or in excess of 1 mg/kg are identified in post-removal verification samples, additional removal of PCB-impacted bulk materials will be conducted. If required, the cleanup technique will include the complete removal of the impacted bulk material. Following any contingent removal activity, completion and cleanup levels will be re-verified in accordance with **Section 4.4.**

5. LIMITATIONS

Should additional information become available concerning this property or neighboring properties in the future, that information should be made available to Credere for review so that the conclusions presented in this report may be modified as necessary. With specific regard to sampling activities, data obtained from representative discrete sampling points may not be wholly representative of the nature and extent of conditions at locations other than the actual sample locations on the date the samples were obtained. Variable conditions may only become evident upon further sampling, analysis, or exploration. If variations become apparent in the future, it may be necessary to reevaluate the conclusions and recommendations offered in this report.



DRAWN BY: JBO	**DATE:** 02/21/11
CHECKED BY: RSV/JSS	**PROJECT:** 10001111

Credere Associates, LLC
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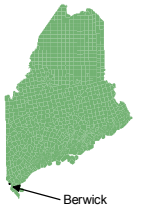
crederellc.com

Figure 1
Site Location Map

Former Sullivan School
45 School Street
Berwick, Maine

0 1,000 2,000 Feet

NORTH



Data Source: NH GRANIT GIS website, USGS (Somersworth [NH], Dover East [NH], Dover West [NH], Rochester [NH], 7.5 Quadrangles [DRG])

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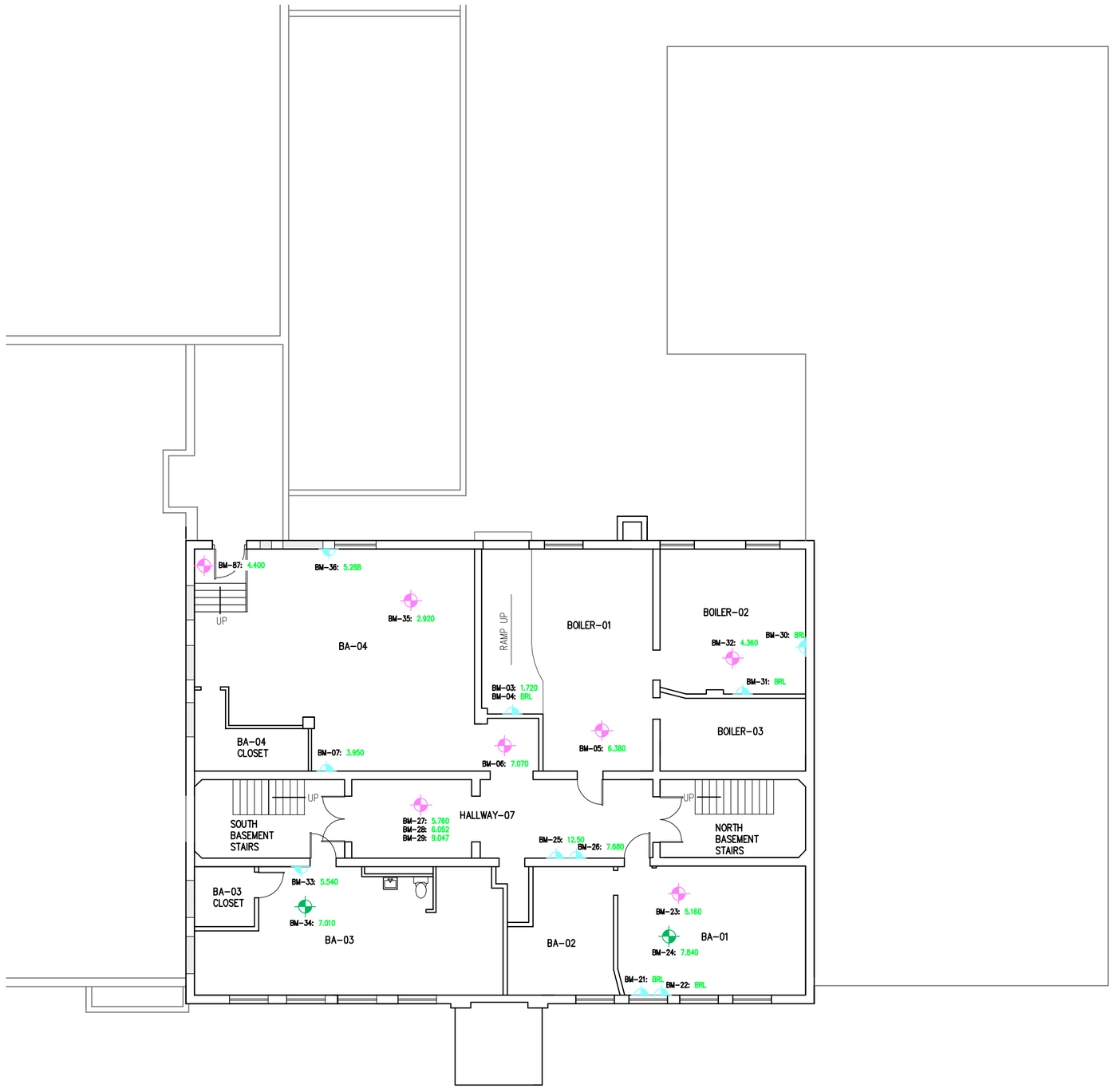


LEGEND

BM-X	SAMPLE COLLECTED FROM FLOOR
BM-X	SAMPLE COLLECTED FROM CEILING
BM-X	SAMPLE COLLECTED FROM WALL
BM-X	CAULKING/GLAZING SAMPLE
BRL	BELOW REPORTING LIMIT

NOTES:
1. CONCENTRATIONS PRESENTED AS TOTAL PCBs IN mg/kg
2. PCB RESULTS FOR BULK PRODUCT SAMPLES <25 mg/kg ARE DENOTED BY GREEN TEXT
3. PCB RESULTS FOR BULK PRODUCT SAMPLES >25 BUT <50 mg/kg ARE DENOTED BY ORANGE TEXT
4. PCB RESULTS FOR BULK PRODUCT SAMPLES >50 mg/kg ARE DENOTED BY RED TEXT

ROOM ID	ROOM DESCRIPTION
BA-01	DARK GREEN PAINTED CONCRETE FLOOR LIGHT BLUE BRICK WALLS WITH OLDER WHITE BELOW (SAMPLED SEPARATELY) WHITE PAINTED PLASTER CEILING
BA-02	BARE CONCRETE FLOOR BARE (PARTIAL VERY THIN WHITEWASH) BRICK WALLS WHITE PAINTED PLASTER CEILING
BA-03	DARK GREEN PAINTED CONCRETE FLOOR LIGHT BLUE BRICK WALLS WITH OLDER YELLOW BELOW (SAMPLED YELLOW) WHITE PAINTED PLASTER CEILING
BA-03 CLOSET	BARE CONCRETE FLOOR BARE (PARTIAL VERY THIN WHITEWASH) BRICK WALLS WHITE PAINTED PLASTER CEILING
BA-04	LIGHT GREY PAINTED CONCRETE FLOOR DARK BLUE AND WHITE PAINTED BRICK WALLS DROP CEILING WITH BARE PLASTER ABOVE
BA-04 CLOSET	BARECONCRETE FLOOR BARE (PARTIAL VERY THIN WHITEWASH) BRICK WALLS BARE PLASTER CEILING
BOILER-01	DARK GREEN PAINTED CONCRETE FLOOR DARK GREY AND WHITE PAINTED BRICK WALLS WHITE PAINTED PLASTER CEILING
BOILER-02	DARK GREEN PAINTED CONCRETE FLOOR LIGHT BLUE AND WHITE PAINTED BRICK WALLS DROP CEILING WITH WOOD ABOVE
BOILER-03	BARE CONCRETE FLOOR BARE BRICK WALLS WHITE PAINTED PLASTER CEILING
HALLWAY-07	FLOOR IS DARK GREEN OVER LIGHT GREY OVER DARK GREEN (SAMPLED SEPARATELY) YELLOW AND WHITE PAINTED BRICK WALLS PLASTER CEILING
NORTH BASEMENT STAIRS	DARK GREEN PAINTED METAL STAIRS YELLOW AND WHITE PAINTED BRICK WALLS
SOUTH BASEMENT STAIRS	DARK GREEN PAINTED METAL STAIRS YELLOW AND WHITE PAINTED BRICK WALLS

GRAPHIC SCALE
10 0 5 10
1 inch = 10 ft.

CREDERE

DRAWN BY: JBO | **DATE:** 3/23/11
CHECKED BY: JSS | **PROJECT:** 10001111

CREDERE ASSOCIATES, LLC
776 MAIN STREET
WESTBROOK, MAINE 04092
TEL: 207.828.1272
FAX: 207.887.1051
WWW.CREDERELLC.COM

FIGURE 2
BASEMENT FLOOR SAMPLE RESULTS PLAN

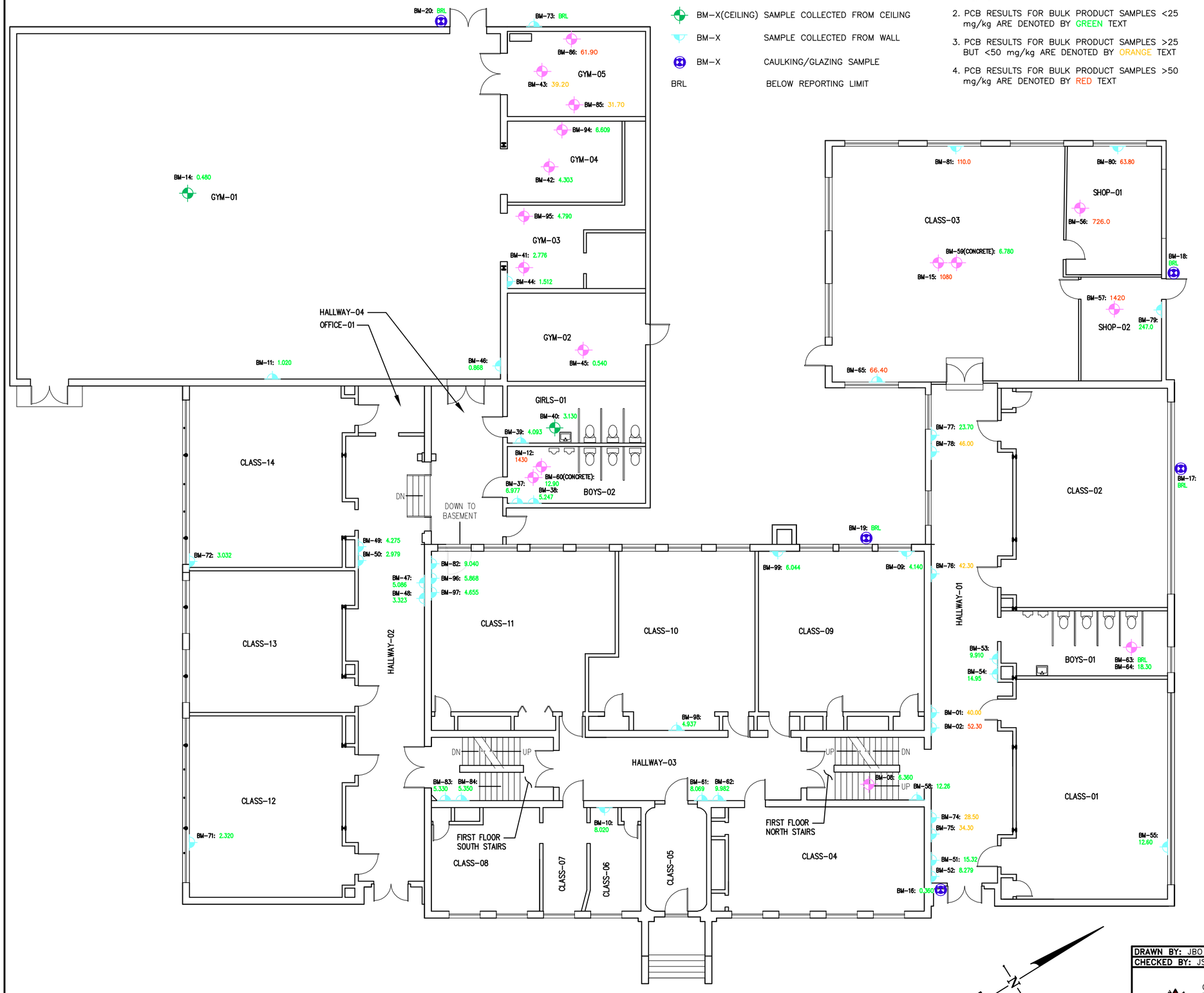
FORMER SULLIVAN SCHOOL
45 SCHOOL STREET
BERWICK, MAINE

J:\CREDERE\10001111\dwg\10001111.dwg plot date: 5/17/2011 3:56 PM

LEGEND

BM–X	SAMPLE COLLECTED FROM FLOOR
BM–X(CEILING)	SAMPLE COLLECTED FROM CEILING
BM–X	SAMPLE COLLECTED FROM WALL
BM–X	CAULKING/GLAZING SAMPLE
BRL	BELOW REPORTING LIMIT

NOTES:
1. CONCENTRATIONS PRESENTED AS TOTAL PCBs IN mg/kg
2. PCB RESULTS FOR BULK PRODUCT SAMPLES <25 mg/kg ARE DENOTED BY GREEN TEXT
3. PCB RESULTS FOR BULK PRODUCT SAMPLES >25 BUT <50 mg/kg ARE DENOTED BY ORANGE TEXT
4. PCB RESULTS FOR BULK PRODUCT SAMPLES >50 mg/kg ARE DENOTED BY RED TEXT



ROOM ID	ROOM DESCRIPTION
BOYS-01	DARK GREEN UPPER LAYER, LIGHT GREY BASE LAYER PAINTED CONCRETE FLOOR (SAMPLE BASE) DARK BLUE AND WHITE PAINTED CONCRETE BLOCK WALLS BARE MINERAL FIBER TILE CEILING
BOYS-02	LIGHT GREY OVER DARK GREEN OVER MEDIUM GREY PAINTED CONCRETE FLOOR (SAMPLE BASE) DARK BLUE AND WHITE PAINTED CONCRETE BLOCK WALLS PLASTER CEILING
CLASS-01	VINYL TILE OVER CONCRETE FLOOR LIGHT GREEN AND WHITE PAINTED CONCRETE BLOCK WALLS BARE MINERAL FIBER TILE CEILING
CLASS-02	VINYL TILE OVER CONCRETE FLOOR LIGHT BLUE AND WHITE PAINTED CONCRETE BLOCK WALLS BARE MINERAL FIBER TILE CEILING
CLASS-03	MEDIUM GREY PAINTED CONCRETE FLOOR WHITE PAINTED CONCRETE BLOCK WALLS BARE METAL CEILING
CLASS-04	CARPETED WOODEN FLOOR WHITE PAINTED PLASTER WALLS DROP CEILING WITH PLASTER ABOVE
CLASS-05	CARPETED WOODEN FLOOR LIGHT BLUE AND WHITE PAINTED PLASTER WALLS DROP CEILING WITH PLASTER ABOVE
CLASS-06	CARPETED WOODEN FLOOR DARK BLUE AND WHITE PAINTED PLASTER WALLS DROP CEILING WITH PLASTER ABOVE
CLASS-07	CARPETED WOODEN FLOOR LIGHT BLUE AND WHITE PAINTED PLASTER WALLS DROP CEILING WITH PLASTER ABOVE
CLASS-08	CARPETED WOODEN FLOOR DARK BLUE AND WHITE PAINTED PLASTER WALLS DROP CEILING WITH PLASTER ABOVE
CLASS-09	CARPETED WOODEN FLOOR BLACK AND WHITE PAINTED PLASTER WALLS DROP CEILING WITH PLASTER ABOVE
CLASS-10	CARPETED WOODEN FLOOR WHITE PAINTED PLASTER WALLS WITH LIGHT GREEN BASE LAYER DROP CEILING WITH PLASTER ABOVE, LIGHT BLUE UPPER WALLS
CLASS-11	CARPETED WOODEN FLOOR WHITE PAINTED PLASTER WALLS WITH LIGHT AQUA GREEN BASE LAYER* DROP CEILING WITH PLASTER ABOVE
CLASS-12	VINYL TILE OVER CONCRETE FLOOR LIGHT BLUE AND DARK BLUE PAINTED CONCRETE BLOCK WALLS BARE MINERAL FIBER TILE CEILING
CLASS-13	VINYL TILE OVER CONCRETE FLOOR YELLOW AND WHITE PAINTED CONCRETE BLOCK WALLS BARE MINERAL FIBER TILE CEILING
CLASS-14	VINYL TILE OVER CONCRETE FLOOR LIGHT BLUE AND DARK BLUE PAINTED CONCRETE BLOCK WALLS BARE MINERAL FIBER TILE CEILING
GIRLS-01	DARK GREEN OVER LIGHT GREY OVER MEDIUM GREY PAINTED CONCRETE FLOOR (SAMPLE BASE) BRIGHT GREEN AND WHITE PAINTED CONCRETE BLOCK WALLS PAINTED PLASTER CEILING
GYM-01	VINYL TILE OVER CONCRETE FLOOR WHITE AND PURPLE PAINTED CONCRETE BLOCK WALLS WHITE PAINTED METAL CEILING
GYM-02	LIGHT GREY PAINTED CONCRETE FLOOR UNPAINTED CONCRETE BLOCK WALLS UNPAINTED METAL CEILING
GYM-03	LIGHT GREY PAINTED CONCRETE FLOOR YELLOW PAINTED CONCRETE BLOCK WALLS DROP CEILING WITH UNPAINTED METAL ABOVE
GYM-04	LIGHT GREY PAINTED CONCRETE FLOOR YELLOW PAINTED CONCRETE BLOCK AND SHEETROCK WALLS DROP CEILING WITH UNPAINTED METAL ABOVE
GYM-05	MEDIUM GREY PAINTED CONCRETE FLOOR YELLOW PAINTED CONCRETE BLOCK WALLS DROP CEILING WITH UNPAINTED METAL ABOVE
HALLWAY-01	VINYL TILE OVER CONCRETE FLOOR MATTE WHITE AND YELLOW PAINTED BRICK AND CONCRETE BLOCK WALLS (SOUTH) WHITE AND YELLOW PAINTED CONCRETE BLOCK WALLS (NORTH) BARE MINERAL FIBER TILE CEILING
HALLWAY-02	VINYL TILE OVER CONCRETE FLOOR YELLOW AND WHITE PAINTED CONCRETE BLOCK AND BRICK WALLS BARE MINERAL FIBER TILE CEILING
HALLWAY-03	CARPETED WOODEN FLOOR YELLOW AND WHITE PAINTED PLASTER WALLS DROP CEILING WITH PLASTER ABOVE
HALLWAY-04	VINYL TILE OVER CONCRETE FLOOR YELLOW AND WHITE PAINTED CONCRETE BLOCK WALLS BARE MINERAL FIBER TILE CEILING
NORTH FIRST FLOOR STAIRS	DARK GREEN PAINTED METAL STAIRS YELLOW AND WHITE PAINTED BRICK WALLS
OFFICE-01	VINYL TILE OVER CONCRETE FLOOR DARK BLUE AND WHITE PAINTED CONCRETE BLOCK WALLS BARE MINERAL FIBER TILE CEILING
SHOP-01	MEDIUM GREY PAINTED CONCRETE FLOOR WHITE PAINTED CONCRETE BLOCK WALLS BARE METAL CEILING
SHOP-02	MEDIUM GREY PAINTED CONCRETE FLOOR WHITE PAINTED CONCRETE BLOCK WALLS BARE METAL CEILING
SOUTH FIRST FLOOR STAIRS	DARK GREEN PAINTED METAL STAIRS YELLOW AND WHITE PAINTED BRICK WALLS

NOTE: BOLD INDICATES IDENTIFIED PCB BULK PRODUCT WASTE
* - This material conservatively considered bulk product waste due to variability in sample data.

GRAPHIC SCALE
10 0 5 10
1 inch = 10 ft.

DRAWN BY: JBO	DATE: 3/23/11
CHECKED BY: JSS	PROJECT: 10001111

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FIGURE 3
FIRST FLOOR SAMPLE RESULTS PLAN

FORMER SULLIVAN SCHOOL
45 SCHOOL STREET
BERWICK, MAINE

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LEGEND

BM–X	SAMPLE COLLECTED FROM FLOOR
BM–X	SAMPLE COLLECTED FROM CEILING
BM–X	SAMPLE COLLECTED FROM WALL
BM–X	CAULKING/GLAZING SAMPLE
BRL	BELOW REPORTING LIMIT

NOTES:
1. CONCENTRATIONS PRESENTED AS TOTAL PCBs IN mg/kg
2. PCB RESULTS FOR BULK PRODUCT SAMPLES <25 mg/kg ARE DENOTED BY GREEN TEXT
3. PCB RESULTS FOR BULK PRODUCT SAMPLES >25 BUT <50 mg/kg ARE DENOTED BY ORANGE TEXT
4. PCB RESULTS FOR BULK PRODUCT SAMPLES >50 mg/kg ARE DENOTED BY RED TEXT

ROOM ID	ROOM DESCRIPTION
CLASS-15	VINYL TILE OVER CONCRETE FLOOR LIGHT GREEN AND WHITE PAINTED CONCRETE BLOCK AND BRICK WALLS BARE MINERAL FIBER TILE CEILING
CLASS-16	VINYL TILE OVER CONCRETE FLOOR YELLOW AND WHITE PAINTED CONCRETE BLOCK WALLS BARE MINERAL FIBER TILE CEILING
CLASS-17	CARPETED WOODEN FLOOR PINK AND LAVENDAR PAINTED PLASTER WALLS DROP CEILING WITH PLASTER ABOVE
CLASS-17 BATHS	CARPETED WOODEN FLOOR YELLOW AND WHITE PAINTED SHEETROCK WALLS DROP CEILING WITH PLASTER ABOVE
CLASS-18	CARPETED WOODEN FLOOR YELLOW AND WHITE PAINTED PLASTER WALLS DROP CEILING WITH PLASTER ABOVE
CLASS-19	CARPETED WOODEN FLOOR DARK BLUE AND WHITE PAINTED PLASTER WALLS DROP CEILING WITH PLASTER ABOVE
CLASS-20	CARPETED WOODEN FLOOR YELLOW AND WHITE PAINTED PLASTER WALLS DROP CEILING WITH PLASTER ABOVE
CLASS-21	CARPETED WOODEN FLOOR LIGHT GREEN AND WHITE PAINTED PLASTER WALLS DROP CEILING WITH PLASTER ABOVE
CLASS-22	CARPETED WOODEN FLOOR YELLOW AND WHITE PAINTED PLASTER WALLS DROP CEILING WITH PLASTER ABOVE
CLASS-23	VINYL TILE OVER CONCRETE FLOOR LIGHT GREEN AND WHITE PAINTED CONCRETE BLOCK WALLS BARE MINERAL FIBER TILE CEILING
CLASS-24	VINYL TILE OVER CONCRETE FLOOR LIGHT GREEN AND WHITE PAINTED CONCRETE BLOCK WALLS BARE MINERAL FIBER TILE CEILING
GIRLS-02	DARK GREEN OVER LIGHT GREY BASE LAYER PAINTED CONCRETE FLOOR (SAMPLE BASE) PINK AND WHITE PAINTED CONCRETE BLOCK WALLS BARE MINERAL FIBER TILE CEILING
HALLWAY-05	VINYL TILE OVER CONCRETE FLOOR YELLOW AND WHITE PAINTED CONCRETE BLOCK AND BRICK WALLS BARE MINERAL FIBER TILE CEILING
HALLWAY-06	VINYL TILE OVER CONCRETE FLOOR YELLOW AND WHITE PAINTED CONCRETE BLOCK AND BRICK WALLS BARE MINERAL FIBER TILE CEILING
NORTH SECOND FLOOR STAIRS	DARK GREEN PAINTED METAL STAIRS YELLOW AND WHITE PAINTED BRICK WALLS
SOUTH SECOND FLOOR STAIRS	DARK GREEN PAINTED METAL STAIRS YELLOW AND WHITE PAINTED BRICK WALLS

GRAPHIC SCALE
10 0 5 10
1 inch = 10 ft.

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DRAWN BY: JBO	**DATE:** 3/23/11
CHECKED BY: JSS	**PROJECT:** 10001111

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FIGURE 4
SECOND FLOOR SAMPLE RESULTS PLAN

FORMER SULLIVAN SCHOOL
45 SCHOOL STREET
BERWICK, MAINE

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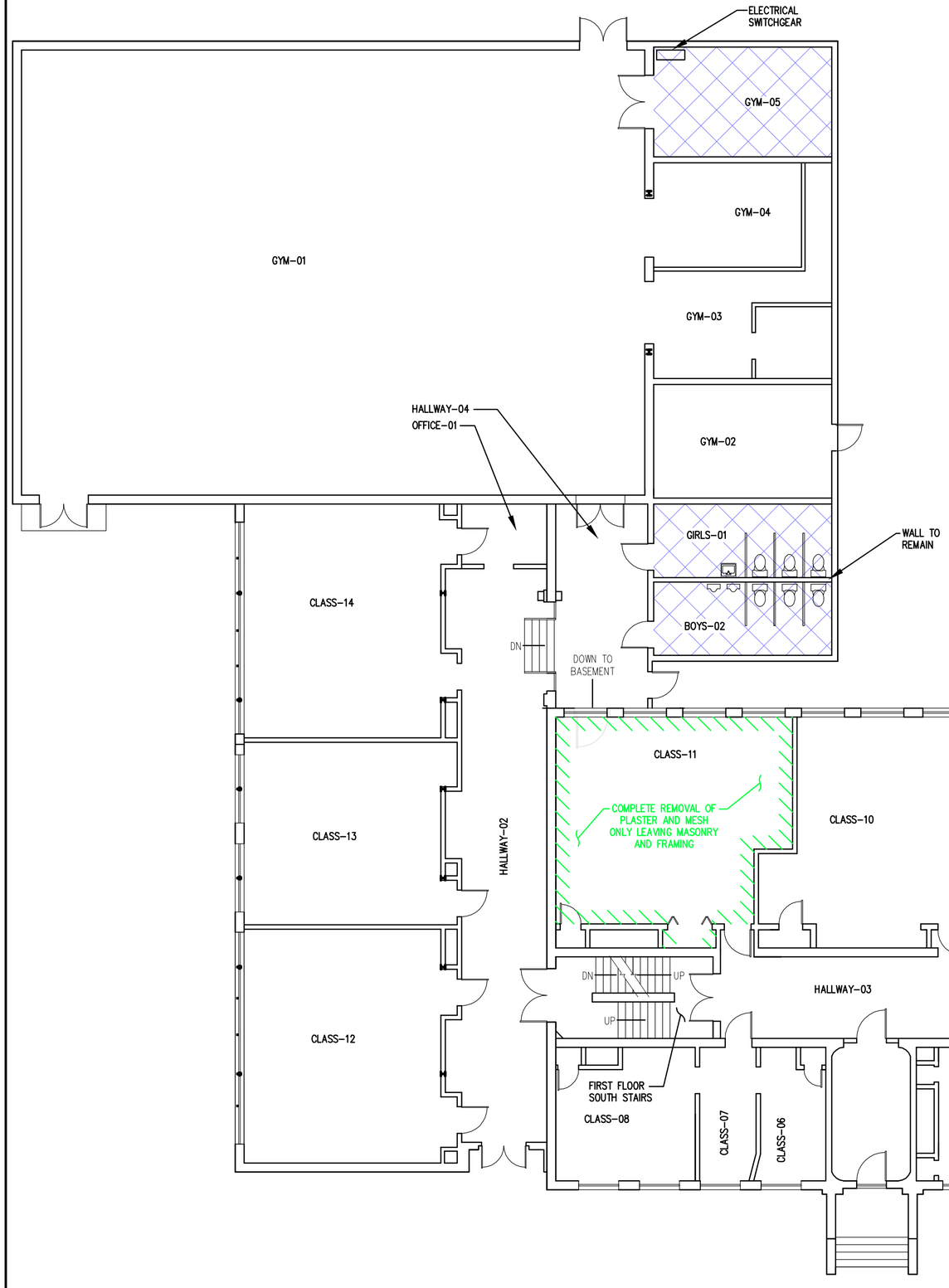
LEGEND

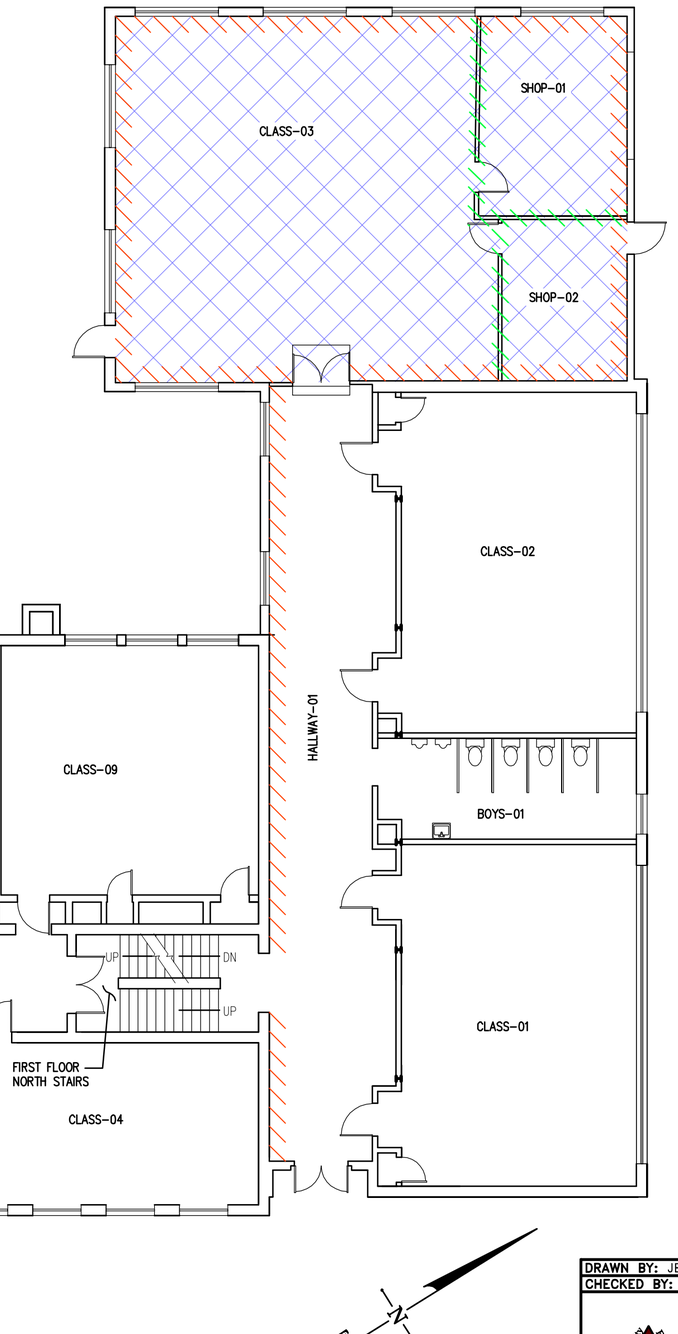
WALL PAINT TO BE REMOVED

COMPLETE WALL TO BE REMOVED

COMPLETE FLOOR AND MINIMUM OF 2" OF SOIL TO BE REMOVED

NOTE:
1. NO PCB REMEDIATION IS REQUIRED FOR THE BASEMENT AND SECOND FLOOR OF THE BUILDING.





GRAPHIC SCALE
10 0 5 10
1 inch = 10 ft.

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DRAWN BY: JBO	DATE: 5/13/11
CHECKED BY: JSS	PROJECT: 10001111

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FIGURE 5
FIRST FLOOR REMEDIATION PLAN

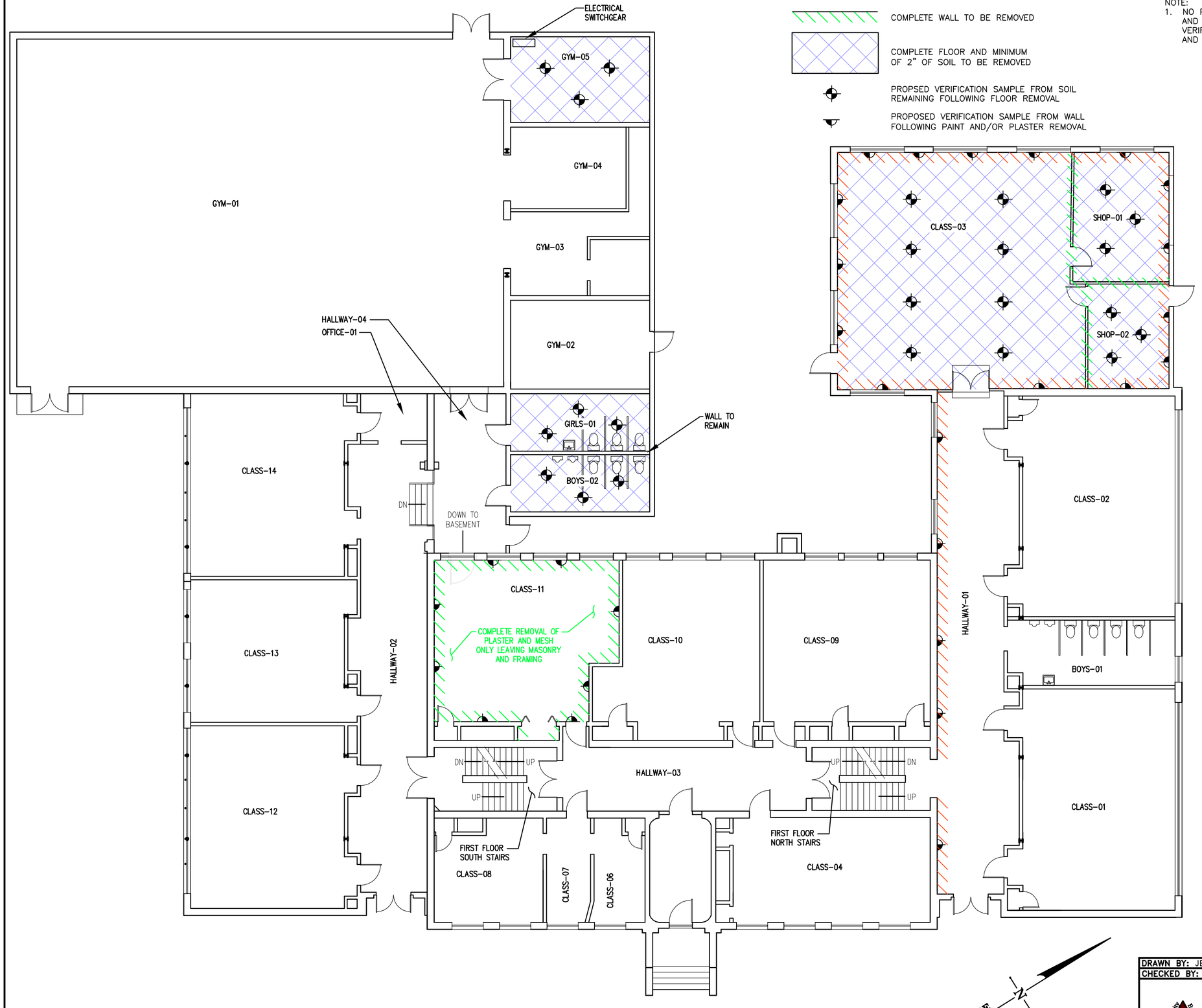
FORMER SULLIVAN SCHOOL
45 SCHOOL STREET
BERWICK, MAINE

J:\CREDERE\10001111\dwg\10001111.dwg plot date: 5/17/2011 3:59 PM

LEGEND

- WALL PAINT TO BE REMOVED
- COMPLETE WALL TO BE REMOVED
- COMPLETE FLOOR AND MINIMUM OF 2" OF SOIL TO BE REMOVED
- PROPSED VERIFICATION SAMPLE FROM SOIL REMAINING FOLLOWING FLOOR REMOVAL
- PROPOSED VERIFICATION SAMPLE FROM WALL FOLLOWING PAINT AND/OR PLASTER REMOVAL

NOTE:
1. NO PCB REMEDIATION IS REQUIRED FOR THE BASEMENT AND SECOND FLOOR OF THE BUILDING. THEREFORE, NO VERIFICATION SAMPLING IS REQUIRED FOR THE BASEMENT AND SECOND FLOOR.



GRAPHIC SCALE
10 0 5 10
1 inch = 10 ft.

DRAWN BY: JBO	DATE: 5/13/11
CHECKED BY: JSS	PROJECT: 10001111

CREDERE ASSOCIATES, LLC
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WESTBROOK, MAINE 04092
TEL: 207.828.1272
FAX: 207.887.1051
WWW.CREDERELLC.COM

FIGURE 6
FIRST FLOOR VERIFICATION SAMPLING PLAN

FORMER SULLIVAN SCHOOL
45 SCHOOL STREET
BERWICK, MAINE

J:\CREDERE\10001111\dwg\10001111_Verification.dwg plot date: 5/17/2011 4:00 PM

Appendix A - Site Photographs

Former Sullivan School Room Condition Photos

BA 01

BA 02

Credere Associates, LLC

Former Sullivan School Room Condition Photos

BA 03

BA 03 Closet

Former Sullivan School Room Condition Photos

BA 03 Wet Wall

BA 04

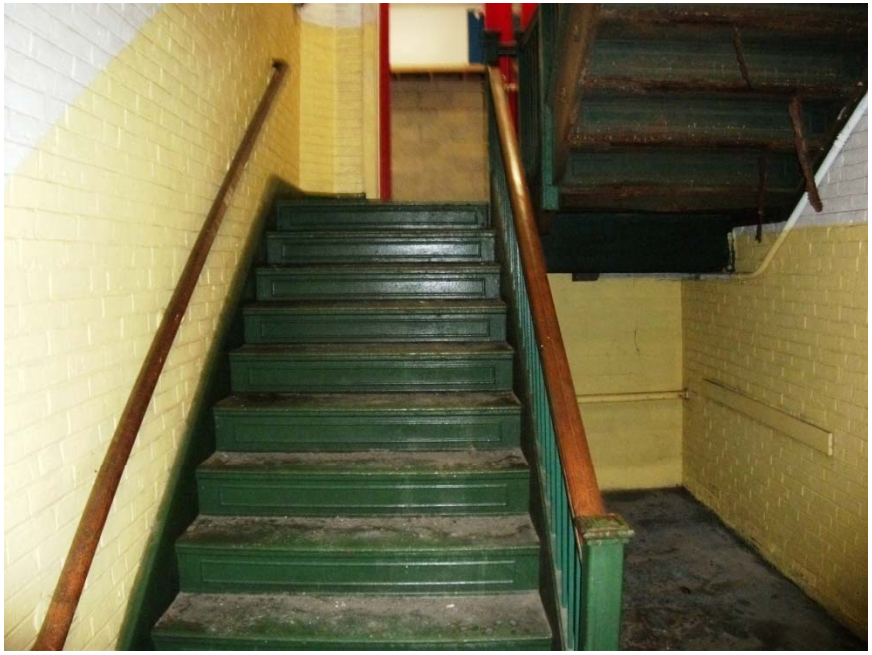
Credere Associates, LLC

Former Sullivan School Room Condition Photos

BA 04 Closet

BA 04 Stairs Up To Hallway 04

Former Sullivan School Room Condition Photos



Basement North Stairs

Boiler 01

Former Sullivan School Room Condition Photos

Boiler 02

Boiler 03

Former Sullivan School Room Condition Photos

Boys 01

Boys 02

Credere Associates, LLC

Former Sullivan School Room Condition Photos

Class 01

Class 02

Credere Associates, LLC

Former Sullivan School Room Condition Photos

Class 03 (Shop)

Class 04

Credere Associates, LLC

Former Sullivan School Room Condition Photos

Class 05

Class 06

Credere Associates, LLC

Former Sullivan School Room Condition Photos

Class 07

Class 08

Credere Associates, LLC

Former Sullivan School Room Condition Photos

Class 09

Class 10

Credere Associates, LLC

Former Sullivan School Room Condition Photos

Class 11

Class 12

Credere Associates, LLC

Former Sullivan School Room Condition Photos

Class 12 Closet

Class 13

Credere Associates, LLC

Former Sullivan School Room Condition Photos

Class 14

Class 15

Credere Associates, LLC

Former Sullivan School Room Condition Photos

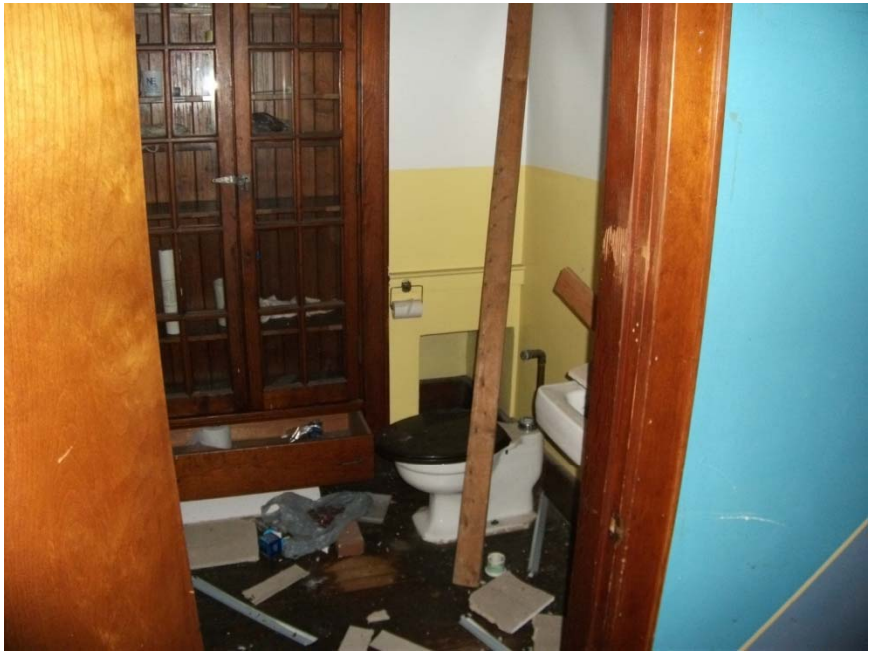
Class 16

Class 17

Credere Associates, LLC

Former Sullivan School Room Condition Photos

Class 17 Additional



Class 17 Additional Bath

Credere Associates, LLC

Former Sullivan School Room Condition Photos

Class 17 Bath

Class 18

Credere Associates, LLC

Former Sullivan School Room Condition Photos

Class 18 Additional

Class 19

Former Sullivan School Room Condition Photos

Class 20

Class 21

Credere Associates, LLC

Former Sullivan School Room Condition Photos

Class 22

Class 23

Credere Associates, LLC

Former Sullivan School Room Condition Photos

Class 23 North Closet

Class 23 South Closet

Credere Associates, LLC

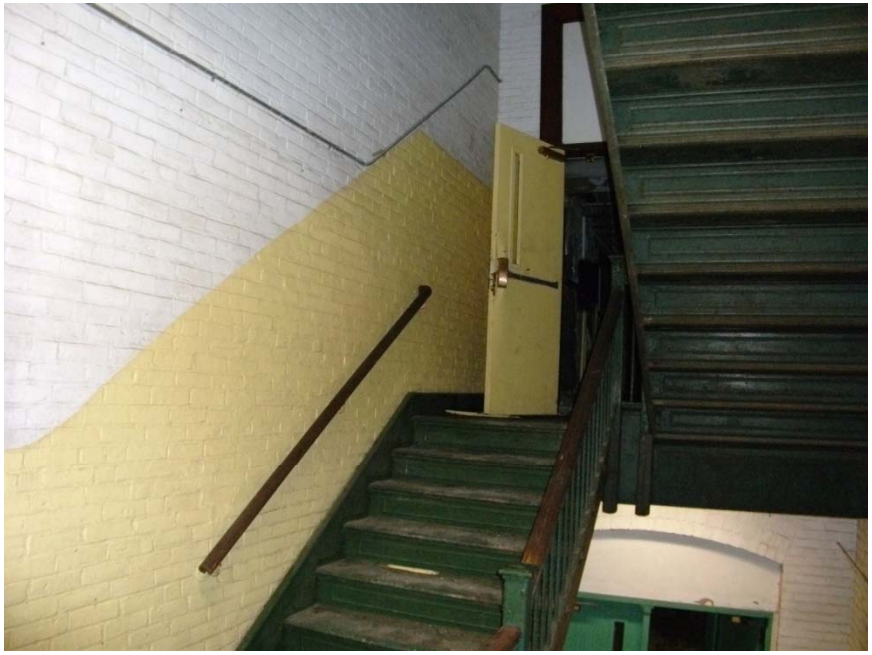
Former Sullivan School Room Condition Photos

Class 24

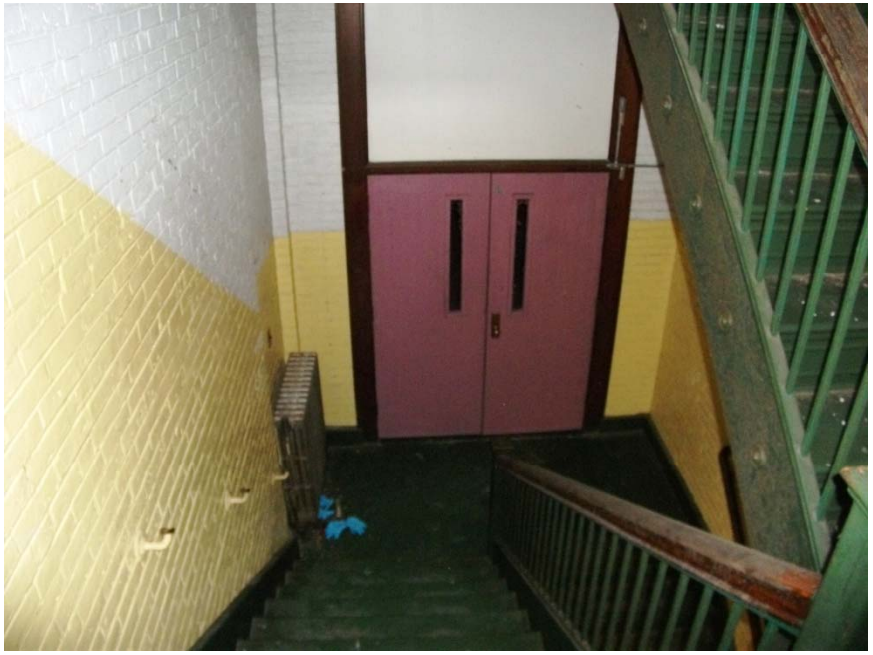
Class 24 Closet

Credere Associates, LLC

Former Sullivan School Room Condition Photos



First Floor North Stairs



First Floor South Stairs

Former Sullivan School Room Condition Photos

Girls 01

Girls 02

Credere Associates, LLC

Former Sullivan School Room Condition Photos

Gym 01

Gym 02

Credere Associates, LLC

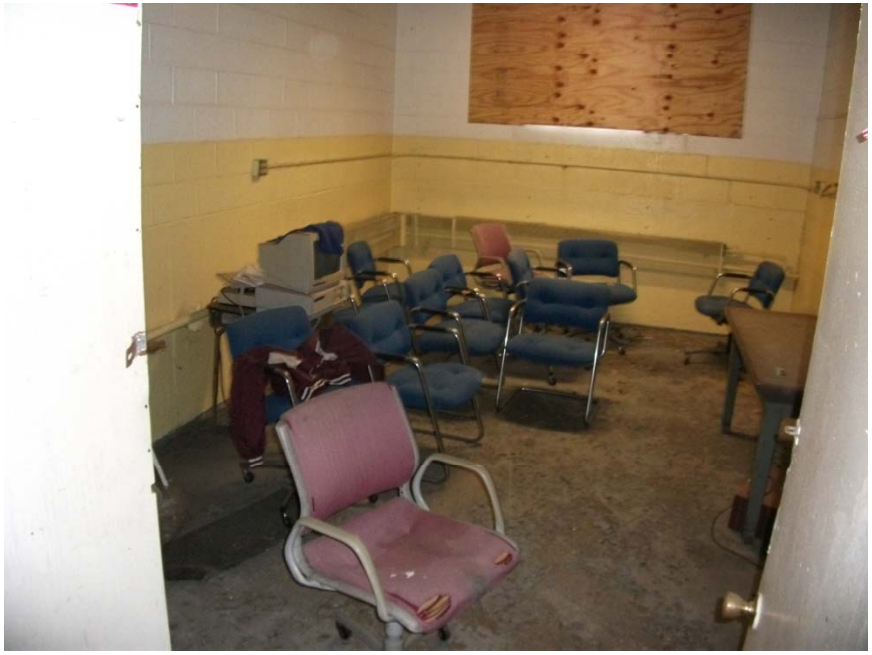
Former Sullivan School Room Condition Photos

Gym 03

Gym 04

Credere Associates, LLC

Former Sullivan School Room Condition Photos



Gym 05

Hallway 01

Credere Associates, LLC

Former Sullivan School Room Condition Photos

Hallway 02

Hallway 03

Credere Associates, LLC

Former Sullivan School Room Condition Photos

Hallway 04

Hallway 04 Stairs to Basement Additional

Former Sullivan School Room Condition Photos

Hallway 05

Hallway 06

Credere Associates, LLC

Former Sullivan School Room Condition Photos

Hallway 07

Hallway 07 Closet

Former Sullivan School Room Condition Photos

Hallway 07 Looking Towards
Basement South Stairs

Office 01

Credere Associates, LLC

Former Sullivan School Room Condition Photos

Second Floor Noth Stairs

Second Floor South Stairs

Credere Associates, LLC

Former Sullivan School Room Condition Photos

Shop 01

Shop 02

Credere Associates, LLC

Appendix B - Initial Laboratory Data, Laboratory QA/QC, Methods, and Chain of Custody

Report Date:
24-Mar-11 11:43

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Credere Associates, LLC
776 Main Street
Westbrook, ME 04092
Attn: Jonathan O'Donnell

Project: Sullivan School-Berwick, ME
Project #: 10001111

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB25844-01	BM-01	Paint	17-Mar-11 15:55	19-Mar-11 09:05
SB25844-02	BM-02	Paint	17-Mar-11 16:00	19-Mar-11 09:05
SB25844-03	BM-03	Paint	17-Mar-11 16:07	19-Mar-11 09:05
SB25844-04	BM-04	Paint	17-Mar-11 16:11	19-Mar-11 09:05
SB25844-05	BM-05	Paint	17-Mar-11 16:14	19-Mar-11 09:05
SB25844-06	BM-06	Paint	17-Mar-11 16:20	19-Mar-11 09:05
SB25844-07	BM-07	Paint	17-Mar-11 16:23	19-Mar-11 09:05
SB25844-08	BM-08	Paint	17-Mar-11 16:29	19-Mar-11 09:05
SB25844-09	BM-09	Paint	17-Mar-11 16:31	19-Mar-11 09:05
SB25844-10	BM-10	Paint	17-Mar-11 16:35	19-Mar-11 09:05
SB25844-11	BM-11	Paint	17-Mar-11 16:40	19-Mar-11 09:05
SB25844-12	BM-12	Paint	17-Mar-11 16:43	19-Mar-11 09:05
SB25844-13	BM-13	Paint	17-Mar-11 16:48	19-Mar-11 09:05
SB25844-14	BM-14	Paint	17-Mar-11 17:00	19-Mar-11 09:05
SB25844-15	BM-15	Paint	17-Mar-11 17:05	19-Mar-11 09:05
SB25844-16	BM-16	Caulk/Glaze	17-Mar-11 17:10	19-Mar-11 09:05
SB25844-17	BM-17	Caulk/Glaze	17-Mar-11 17:16	19-Mar-11 09:05
SB25844-18	BM-18	Caulk/Glaze	17-Mar-11 17:23	19-Mar-11 09:05
SB25844-19	BM-19	Caulk/Glaze	17-Mar-11 17:30	19-Mar-11 09:05
SB25844-20	BM-20	Caulk/Glaze	17-Mar-11 17:45	19-Mar-11 09:05

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 29 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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CASE NARRATIVE:

The samples were received 6.0 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Spikes:

1104848-MS1 *Source: SB25844-14*

The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.

Aroclor-1260
Aroclor-1260 [2C]

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr)

1104848-MSD1 *Source: SB25844-14*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr)

Samples:

SB25844-01 *BM-01*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1254 [2C]

SB25844-01RE1 *BM-01*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB25844-02 *BM-02*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1254 [2C]

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB25844-02RE1 *BM-02*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB25844-07 *BM-07*

SW846 8082A

Samples:

SB25844-07 *BM-07*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB25844-09 *BM-09*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr)

SB25844-12 *BM-12*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1254

SB25844-12RE1 *BM-12*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB25844-13 *BM-13*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB25844-15 *BM-15*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1254

SB25844-15RE1 *BM-15*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB25844-18 *BM-18*

The Reporting Limit has been raised to account for matrix interference.

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr)

SW846 8082A

Samples:

SB25844-20	*BM-20*

The Reporting Limit has been raised to account for matrix interference.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-01	10001111	Paint	17-Mar-11 15:55	19-Mar-11
SB25844-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	105	1	SW846 8082A	21-Mar-11	23-Mar-11	IMR	1104848	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	105	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	105	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	105	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	105	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	41,800	E	µg/kg dry	105	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	105	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	105	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	105	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*101*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*131*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*126*			*30-150 %*		"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	1050	10	SW846 8082A	21-Mar-11	23-Mar-11	IMR	1104848	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	1050	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	1050	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	1050	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	1050	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	40,000		µg/kg dry	1050	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	1050	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	1050	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	1050	10	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	94.2		%		1	SM2540 G Mod.	21-Mar-11	21-Mar-11	BD	1104884	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-02	10001111	Paint	17-Mar-11 16:00	19-Mar-11
SB25844-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	100	1	SW846 8082A	21-Mar-11	23-Mar-11	IMR	1104848	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	100	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	100	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	100	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	100	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	40,800	E	µg/kg dry	100	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	100	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	100	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	100	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*88*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*11300*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*106*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*89*			*30-150 %*		"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	1000	10	SW846 8082A	21-Mar-11	23-Mar-11	IMR	1104848	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	1000	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	1000	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	1000	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	1000	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	52,300		µg/kg dry	1000	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	1000	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	1000	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	1000	10	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*8360*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*130*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	94.5		%		1	SM2540 G Mod.	21-Mar-11	21-Mar-11	BD	1104884	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-03	10001111	Paint	17-Mar-11 16:07	19-Mar-11
SB25844-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	98.6	1	SW846 8082A	21-Mar-11	23-Mar-11	IMR	1104848	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	98.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	98.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	98.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	98.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,720		µg/kg dry	98.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	98.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	98.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	98.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*76*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*43*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*42*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	95.5		%		1	SM2540 G Mod.	21-Mar-11	21-Mar-11	BD	1104884	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-04	10001111	Paint	17-Mar-11 16:11	19-Mar-11
SB25844-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	104	1	SW846 8082A	21-Mar-11	23-Mar-11	IMR	1104848	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	104	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	104	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	104	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	104	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	104	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	104	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	104	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	104	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*79*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*43*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*98*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*64*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	96.5		%		1	SM2540 G Mod.	21-Mar-11	21-Mar-11	BD	1104884	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-05	10001111	Paint	17-Mar-11 16:14	19-Mar-11
SB25844-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	116	1	SW846 8082A	21-Mar-11	23-Mar-11	IMR	1104848	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	116	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	116	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	116	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	116	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	6,380		µg/kg dry	116	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	116	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	116	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	116	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*103*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*118*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*139*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*111*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	83.8		%		1	SM2540 G Mod.	21-Mar-11	21-Mar-11	BD	1104884	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-06	10001111	Paint	17-Mar-11 16:20	19-Mar-11
SB25844-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	111	1	SW846 8082A	21-Mar-11	23-Mar-11	IMR	1104848	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	111	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	111	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	111	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	111	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	7,070		µg/kg dry	111	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	111	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	111	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	111	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*97*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*126*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*84*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	88.4		%		1	SM2540 G Mod.	21-Mar-11	21-Mar-11	BD	1104886	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-07 SB25844-07	10001111	Paint	17-Mar-11 16:23	19-Mar-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	90.3	1	SW846 8082A	21-Mar-11	23-Mar-11	IMR	1104848	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	90.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	90.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	90.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	90.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	3,950		µg/kg dry	90.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	90.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	90.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	90.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*99*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*1830*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*142*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*73*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	95.7		%		1	SM2540 G Mod.	21-Mar-11	21-Mar-11	BD	1104886	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-08	10001111	Paint	17-Mar-11 16:29	19-Mar-11
SB25844-08				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	103	1	SW846 8082A	21-Mar-11	23-Mar-11	IMR	1104848	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	103	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	103	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	103	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	103	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	6,360		µg/kg dry	103	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	103	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	103	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	103	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*91*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*142*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*135*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	93.6		%		1	SM2540 G Mod.	21-Mar-11	21-Mar-11	BD	1104886	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-09	10001111	Paint	17-Mar-11 16:31	19-Mar-11
SB25844-09				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	102	1	SW846 8082A	21-Mar-11	23-Mar-11	IMR	1104848	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	102	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	102	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	102	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	102	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	4,140		µg/kg dry	102	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	102	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	102	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	102	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*108*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*87*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*202*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*149*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	95.7		%		1	SM2540 G Mod.	21-Mar-11	21-Mar-11	BD	1104886	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-10	10001111	Paint	17-Mar-11 16:35	19-Mar-11
SB25844-10				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	101	1	SW846 8082A	21-Mar-11	23-Mar-11	IMR	1104848	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	101	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	101	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	101	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	101	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	8,020		µg/kg dry	101	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	101	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	101	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	101	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*84*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*92*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*97*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	95.6		%		1	SM2540 G Mod.	21-Mar-11	21-Mar-11	BD	1104886	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-11	10001111	Paint	17-Mar-11 16:40	19-Mar-11
SB25844-11				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	103	1	SW846 8082A	21-Mar-11	23-Mar-11	IMR	1104848	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	103	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	103	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	103	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	103	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,020		µg/kg dry	103	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	103	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	103	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	103	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*91*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*88*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*123*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*91*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	96.4		%		1	SM2540 G Mod.	21-Mar-11	21-Mar-11	BD	1104886	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-12	10001111	Paint	17-Mar-11 16:43	19-Mar-11
SB25844-12				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	145	1	SW846 8082A	21-Mar-11	23-Mar-11	IMR	1104848	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	145	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	145	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	145	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	145	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,010,000	E	µg/kg dry	145	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	145	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	145	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	145	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*106*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*112*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*93*			*30-150 %*		"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	28900	200	SW846 8082A	21-Mar-11	23-Mar-11	IMR	1104848	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	28900	200	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	28900	200	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	28900	200	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	28900	200	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,430,000		µg/kg dry	28900	200	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	28900	200	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	28900	200	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	28900	200	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	68.9		%		1	SM2540 G Mod.	21-Mar-11	21-Mar-11	BD	1104886	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-13	10001111	Paint	17-Mar-11 16:48	19-Mar-11
SB25844-13				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	109	1	SW846 8082A	21-Mar-11	23-Mar-11	IMR	1104848	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	109	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	109	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	109	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	109	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	7,520		µg/kg dry	109	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	109	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	109	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	109	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*101*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*10700*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*148*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*99*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	91.0		%		1	SM2540 G Mod.	21-Mar-11	21-Mar-11	BD	1104886	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-14	10001111	Paint	17-Mar-11 17:00	19-Mar-11
SB25844-14				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	93.1	1	SW846 8082A	21-Mar-11	23-Mar-11	IMR	1104848	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	93.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	93.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	93.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	93.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	482		µg/kg dry	93.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	93.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	93.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	93.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*97*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*94*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*131*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*82*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	97.6		%		1	SM2540 G Mod.	21-Mar-11	21-Mar-11	BD	1104886	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-15	10001111	Paint	17-Mar-11 17:05	19-Mar-11
SB25844-15				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	147	1	SW846 8082A	21-Mar-11	23-Mar-11	IMR	1104848	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	147	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	147	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	147	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	147	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	704,000	E	µg/kg dry	147	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	147	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	147	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	147	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*111*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*99*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*121*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*88*			*30-150 %*		"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	29400	200	SW846 8082A	21-Mar-11	23-Mar-11	IMR	1104848	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	29400	200	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	29400	200	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	29400	200	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	29400	200	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,080,000		µg/kg dry	29400	200	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	29400	200	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	29400	200	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	29400	200	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	65.8		%		1	SM2540 G Mod.	21-Mar-11	21-Mar-11	BD	1104886	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-16	10001111	Caulk/Glaze	17-Mar-11 17:10	19-Mar-11
SB25844-16				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	177	1	SW846 8082A	21-Mar-11	23-Mar-11	IMR	1104848	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	177	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	177	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	177	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	177	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	364		µg/kg dry	177	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	177	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	177	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	177	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*113*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*113*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*144*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*111*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	97.2		%		1	SM2540 G Mod.	21-Mar-11	21-Mar-11	BD	1104886	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-17	10001111	Caulk/Glaze	17-Mar-11 17:16	19-Mar-11
SB25844-17				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	169	1	SW846 8082A	21-Mar-11	23-Mar-11	IMR	1104848	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	169	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	169	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	169	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	169	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	169	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	169	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	169	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	169	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*119*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*118*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*116*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	96.4		%		1	SM2540 G Mod.	21-Mar-11	21-Mar-11	BD	1104886	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-18	10001111	Caulk/Glaze	17-Mar-11 17:23	19-Mar-11
SB25844-18				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			R01									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	950	5	SW846 8082A	21-Mar-11	23-Mar-11	IMR	1104848	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	950	5	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	950	5	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	950	5	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	950	5	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	950	5	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	950	5	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	950	5	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	950	5	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*60*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*820*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	96.2		%		1	SM2540 G Mod.	21-Mar-11	21-Mar-11	BD	1104886	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-19	10001111	Caulk/Glaze	17-Mar-11 17:30	19-Mar-11
SB25844-19				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	195	1	SW846 8082A	21-Mar-11	23-Mar-11	IMR	1104848	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	195	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	195	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	195	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	195	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	195	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	195	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	195	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	195	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*96*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*94*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*139*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*114*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	95.5		%		1	SM2540 G Mod.	21-Mar-11	21-Mar-11	BD	1104886	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-20	10001111	Caulk/Glaze	17-Mar-11 17:45	19-Mar-11
SB25844-20				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			R01									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	964	5	SW846 8082A	21-Mar-11	23-Mar-11	IMR	1104848	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	964	5	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	964	5	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	964	5	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	964	5	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	964	5	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	964	5	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	964	5	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	964	5	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*135*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*97*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*92*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	97.4		%		1	SM2540 G Mod.	21-Mar-11	21-Mar-11	BD	1104886	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1104848 - SW846 3540C										
Blank (1104848-BLK1)					Prepared: 21-Mar-11 Analyzed: 23-Mar-11					
Aroclor-1016	BRL		µg/kg wet	100						
Aroclor-1016 [2C]	BRL		µg/kg wet	100						
Aroclor-1221	BRL		µg/kg wet	100						
Aroclor-1221 [2C]	BRL		µg/kg wet	100						
Aroclor-1232	BRL		µg/kg wet	100						
Aroclor-1232 [2C]	BRL		µg/kg wet	100						
Aroclor-1242	BRL		µg/kg wet	100						
Aroclor-1242 [2C]	BRL		µg/kg wet	100						
Aroclor-1248	BRL		µg/kg wet	100						
Aroclor-1248 [2C]	BRL		µg/kg wet	100						
Aroclor-1254	BRL		µg/kg wet	100						
Aroclor-1254 [2C]	BRL		µg/kg wet	100						
Aroclor-1260	BRL		µg/kg wet	100						
Aroclor-1260 [2C]	BRL		µg/kg wet	100						
Aroclor-1262	BRL		µg/kg wet	100						
Aroclor-1262 [2C]	BRL		µg/kg wet	100						
Aroclor-1268	BRL		µg/kg wet	100						
Aroclor-1268 [2C]	BRL		µg/kg wet	100						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*98.0*		µg/kg wet		*100*		*98*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*96.0*		µg/kg wet		*100*		*96*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*115*		µg/kg wet		*100*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*105*		µg/kg wet		*100*		*105*	*30-150*		
LCS (1104848-BS1)					Prepared: 21-Mar-11 Analyzed: 23-Mar-11					
Aroclor-1016	1180		µg/kg wet	100	1250		94	50-140		
Aroclor-1016 [2C]	1040		µg/kg wet	100	1250		83	50-140		
Aroclor-1260	1320		µg/kg wet	100	1250		106	50-140		
Aroclor-1260 [2C]	1190		µg/kg wet	100	1250		96	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*89.0*		µg/kg wet		*100*		*89*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*82.0*		µg/kg wet		*100*		*82*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*141*		µg/kg wet		*100*		*141*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*147*		µg/kg wet		*100*		*147*	*30-150*		
LCS Dup (1104848-BSD1)					Prepared: 21-Mar-11 Analyzed: 23-Mar-11					
Aroclor-1016	1140		µg/kg wet	100	1250		91	50-140	3	30
Aroclor-1016 [2C]	1040		µg/kg wet	100	1250		83	50-140	0.2	30
Aroclor-1260	1310		µg/kg wet	100	1250		105	50-140	1	30
Aroclor-1260 [2C]	1140		µg/kg wet	100	1250		91	50-140	5	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*94.5*		µg/kg wet		*100*		*94*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*91.5*		µg/kg wet		*100*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*146*		µg/kg wet		*100*		*146*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*148*		µg/kg wet		*100*		*148*	*30-150*		
Duplicate (1104848-DUP1)			**Source: SB25844-14**		Prepared: 21-Mar-11 Analyzed: 23-Mar-11					
Aroclor-1016	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1016 [2C]	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1221	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1221 [2C]	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1232	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1232 [2C]	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1242	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1242 [2C]	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1248	BRL		µg/kg dry	98.6		BRL				40

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1104848 - SW846 3540C										
Duplicate (1104848-DUP1)			**Source: SB25844-14**		Prepared: 21-Mar-11 Analyzed: 23-Mar-11					
Aroclor-1248 [2C]	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1254	545		µg/kg dry	98.6		482			12	40
Aroclor-1254 [2C]	572		µg/kg dry	98.6		456			23	40
Aroclor-1260	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1260 [2C]	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1262	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1262 [2C]	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1268	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1268 [2C]	BRL		µg/kg dry	98.6		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*100*		µg/kg dry		*98.6*		*102*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*125*		µg/kg dry		*98.6*		*127*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*129*		µg/kg dry		*98.6*		*131*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*98.1*		µg/kg dry		*98.6*		*100*	*30-150*		
Matrix Spike (1104848-MS1)			**Source: SB25844-14**		Prepared: 21-Mar-11 Analyzed: 23-Mar-11					
Aroclor-1016	1370		µg/kg dry	94.0	1180	BRL	116	40-135		
Aroclor-1016 [2C]	1410		µg/kg dry	94.0	1180	BRL	120	40-135		
Aroclor-1260	1670	QM1	µg/kg dry	94.0	1180	BRL	142	40-135		
Aroclor-1260 [2C]	1680	QM1	µg/kg dry	94.0	1180	BRL	143	40-135		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*134*		µg/kg dry		*94.0*		*143*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*133*		µg/kg dry		*94.0*		*141*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*187*	S02	µg/kg dry		*94.0*		*199*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*137*		µg/kg dry		*94.0*		*146*	*30-150*		
Matrix Spike Dup (1104848-MSD1)			**Source: SB25844-14**		Prepared: 21-Mar-11 Analyzed: 23-Mar-11					
Aroclor-1016	1020		µg/kg dry	84.2	1050	BRL	97	40-135	18	30
Aroclor-1016 [2C]	1040		µg/kg dry	84.2	1050	BRL	99	40-135	19	30
Aroclor-1260	1330		µg/kg dry	84.2	1050	BRL	126	40-135	12	30
Aroclor-1260 [2C]	1240		µg/kg dry	84.2	1050	BRL	118	40-135	19	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*95.9*		µg/kg dry		*84.2*		*114*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*102*		µg/kg dry		*84.2*		*121*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*146*	S02	µg/kg dry		*84.2*		*174*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*106*		µg/kg dry		*84.2*		*126*	*30-150*		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1104886 - General Preparation										
Duplicate (1104886-DUP1)			**Source: SB25844-06**			Prepared & Analyzed: 21-Mar-11				
% Solids	83.1		%			88.4			6	20

Notes and Definitions

E	The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
QM1	The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
R01	The Reporting Limit has been raised to account for matrix interference.
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor
Nicole Leja

SB 25844 (2)

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3/22/11
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: JONATHAN O'DONNELL
CREDERE ASSOCIATES, LLC
776 MAIN ST
WESTBROOK, ME 04092
Telephone #: 207-772-2225
Project Mgr. JDO

Invoice To: SAME

P.O. No.: _____ RQN: _____

Project No.: SULLIVAN SCHOOL
Site Name: 10001111
Location: BERWICK State: ME
Sampler(s): JSS

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= ICE 11= _____

List preservative code below: 10→ ☒

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= PAINT X2= _____ X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic 8270	PCB 6082 EXTRACT 3540	Analyses:						
SB 25844-01	BM-01	3/17/11	1555	G	X1				1	X							
02	BM-02		1600														
03	BM-03		1607														
04	BM-04		1611														
05	BM-05		1614														
06	BM-06		1620														
07	BM-07		1623														
08	BM-08		1629														
09	BM-09		1631														
10	BM-10		1635														

Containers:

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☒ Other TSCA

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
Fed Ex	FEDEX	3/18/11		
	Dmeek	3/19/11	9:05	6.0

☒ EDD Format PDF
☒ E-mail to jodonnell@crederellc.com

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp ____ °C ☐ Freezer temp ____ °C

SB25844

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3/22/11
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: JONATHAN O'DONNELL
CREDERE ASSOCIATES, LLC
776 MAIN ST
WESTBROOK, ME 04092
Telephone #: 207-272-2225
Project Mgr.

Invoice To: SAME

P.O. No.: RQN:

Project No.: 10001111
Site Name: SULLIVAN SCHOOL
Location: BERWICK State: ME
Sampler(s): JSS

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= ICE 11=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= PAINT X2= CAULK/GLAZE X3=

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic 540	Analyses: PCB 8082 EXTRACT 3540	List preservative code below: 10	QA/QC Reporting Notes: * additional charges may apply
SB25844-11	BM-11	3/17/11	1640	G	X1				1	X		
12	BM-12		1643									
13	BM-13		1648									
14	BM-14		1700									
15	BM-15		1705		↓							
16	BM-16		1710		X2							
17	BM-17		1716									
18	BM-18		1723									
19	BM-19		1730									
20	BM-20		1745									

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☒ Other TSCA

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
JDO	FEDEX	3/18/11		
FedEx	Dmack	3/19/11	9:05	6.0

☒ EDD Format PDF
☒ E-mail to jodonnell@crederellc.com

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp ___ °C ☐ Freezer temp ___ °C

190

200

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4b Express Freight Service ** To most locations. ***Packages over 150 lbs.***

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☐ FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

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Does this shipment contain dangerous goods?

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[redacted]

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†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

605

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Appendix C – Site Ownership Information

Site Ownership Information
Former Sullivan School
45 School Street
Berwick, Maine 03901

Current Owner:	Town of Berwick, Maine Contact: Keith Trefethen, Town Manager 11 Sullivan St. Berwick, Maine 03901 Phone (207) 698-1101 Fax (207) 698-5181
Future Owner During Remedial Actions:	Sullivan School Associates, LP Contact: Nathan Bateman 245 Commercial Street Portland, Maine 04101 Phone (207) 772-2992

Appendix D - Standard Operating Procedures

STANDARD OPERATING PROCEDURE FOR SAMPLING POROUS SURFACES FOR POLYCHLORINATED BIPHENYLS (PCBs)

The Office of Environmental Measurement and Evaluation
EPA New England – Region 1
11 Technology Dr.
North Chelmsford, MA 01863

Prepared by: Dan Granz, Environmental Engineer — 9/16/08 Date

Reviewed by: Kim Tisa, TSCA PCB Coordinator — 10/14/2008 Date

Reviewed by: Jerry Keefe – EIA Team Leader — 10/21/2008 Date

Approved by: Ernest Waterman, EIA Manager — 10/21/2008 Date

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Revision Page

Date	Rev#	Summary of Changes	Sections
12/97	1	Initial Approval, draft	
3/20/08	2	Major update, only for PCBs, added TSCA sampling	All sections
7/22/08	3	Disposal of dust filter and decon of vac hose	11.0 and 14.0

Table of Contents

1.0 Scope and Application

1.1 This Standard Operating Procedure (SOP) is suitable for collection of a porous matrix sample for analysis of Polychlorinated Biphenyls (PCBs).

1.2 This SOP describes sampling techniques for both hard and soft porous surfaces.

1.2.1 Hard surfaces, and most soft surfaces, can be sampled using an impact hammer drill to generate a uniform, finely ground, powder to be extracted and analyzed for PCBs. This procedure is primarily geared at providing enough sample quantity for two analyses. Hard porous surfaces include concrete, brick, asphalt, cement, sandstone, limestone, unglazed ceramics, and other possible PCB suspected material. This procedure may also be used on other softer porous surfaces, such as wood.

1.2.2 Soft surfaces can be sampled using a chisel or sharp knife to generate a representative sample to be extracted and analyzed for PCBs. Soft porous surfaces include wood, wall plasterboard, low density plastics, rubber, caulking, and other PCB suspected material.

1.3 This SOP provides for collection of surface samples (0 – 0.5 inches) and delineation of PCB contamination throughout the core of the porous surface. The procedure can be used to sample the porous surface at distinctly different depth zones.

2.0 Method Summary

A one-inch or other sized diameter carbide drill bit is used in a rotary impact hammer drill to generate a fine powder, or other representative sample, suitable for extraction and analysis of PCBs from porous surfaces. This method also allows the use of chisels or knives for the collection of samples from soft porous surfaces for PCB analysis.

3.0 Definitions

3.1 Field/Bottle Blank: A sample container of the same lot as the containers used for the environmental samples. This evaluates PCB contamination introduced from the sample container(s) from a common lot.

3.2 Equipment/Rinse/Rinsate Blanks: A sample that is collected by pouring hexane over the sample collection equipment after decontamination and before sample collection. The sample is collected in the appropriate sample container identical to the sample containers. This represents background contamination resulting from the field equipment, sampling procedure, sample container, and shipment.

3.3 Field Replicates/Duplicates: Two or more samples collected at the same sampling location. Field replicates should be samples collected side by side. Field replicates represent the precision of the whole method, site heterogeneity, field sampling, and the laboratory analysis.

3.4 Field Split Samples: Two or more representative subsamples taken from one environmental sample in the field. Prior to splitting, the environmental sample is homogenized to correct for sample heterogeneity that would adversely impact data comparability. Field split samples are usually analyzed by different laboratories (interlaboratory comparison) or by the same laboratory (intralaboratory comparison). Field splits are used to assess sample handling procedures from field to laboratory and laboratory comparability.

3.5 Laboratory Quality Samples: Additional samples that will be collected for the laboratory's quality control program: matrix spike, matrix spike duplicate, laboratory duplicates, etc.

3.6 Proficiency Testing (PT)/Performance Evaluation (PE) Sample: A sample, the composition of which is unknown to the laboratory or analyst, provided to the analyst or laboratory to assess the capability to produce results within acceptable criteria. This is optional depending on the data quality objectives. If possible, it is recommended that the PE sample be of similar matrix as the porous surface(s) being sampled.

3.7 Porous Surface: Any surface that allows PCBs to penetrate or pass into itself including, but not limited to, paint or coating on metal; corroded metal; fibrous glass or glass wool; unglazed ceramics; ceramics with porous glaze; porous building stone such as sandstone, travertine, limestone, or coral rock; low density plastics such as Styrofoam and low density polyethylene; coated (varnished or painted) or uncoated wood; painted or unpainted concrete or cement; plaster; plasterboard; wallboard; rubber; caulking; fiberboard; chipboard; asphalt; or tar paper.

3.8 Shipping Container Temperature Blank: A water sample that is transported to the laboratory to measure the temperature of the samples in the cooler.

4.0 Health and Safety

4.1 Eye, respiratory, and hearing protection are required at all times during sample drilling. A properly fitted respirator is required for hard porous surface sampling. A respirator is recommended whenever there is a risk of inhalation of either particulate or volatilized PCBs during sampling.

4.2 All proper personal protection clothing and equipment must be worn.

4.3 When working with potentially hazardous materials or situations, follow EPA, OSHA, and specific health or safety procedures.

4.4 Care must be exercised when using an electrical drill and sharp cutting objects.

5.0 Interferences and Potential Problems

5.1 This sampling technique produces a finely ground uniform powder, which minimizes the physical matrix effects from variations in the sample consistency (i.e., particle size, uniformity, homogeneity, and surface condition). Matrix spike analysis of a sample is highly recommended to monitor for any matrix related interferences.

5.2 Nitrile gloves are recommended. Latex gloves must not be used due to possible phthalate contamination.

5.3 Interferences may result from using contaminated equipment, solvents, reagents, sample containers, or sampling in a disturbed area. The drill bit must be decontaminated between samples. (see Section 11.0.)

5.4 Cross contamination problems can be eliminated or minimized through the use of dedicated sampling equipment.

6.0 Personnel Qualifications

6.1 All field samplers working at hazardous materials/waste sites are required to take a 40 hour health and safety training course prior to engaging in any field activities. Subsequently, an 8 hour refresher health and safety course is required annually.

6.2 The field sampler should be trained by an experienced sampler before initiating this procedure.

6.3 All personnel shall be responsible for complying with all quality assurance/quality control requirements that pertain to their organizational/technical function.

7.0 Equipment and Supplies

7.1 This list varies with the matrix and if depth profiling is required

Rotary impact hammer variable speed drill
1-inch or other suitable (1/2, 3/4, etc.) diameter carbide tip drill bits
Steel chisel or sharp cutting knife, and hammer
Brush and cloths to clean area
Stainless steel scoopulas

Aluminum foil to collect the powder sample
1 quart Cubitainer with the top cut out to collect the powder sample
Aluminum weighing pans to collect the powder sample
Cleaned glass container (2 oz or 40 mL) with Teflon lined cap
Decontamination supplies: hexane, two small buckets, a scrub brush, detergent, deionized water, hexane squirt bottle, and paper towels
Dedicated vacuum cleaner with a disposable filter or a vacuum pump with a dust filter
Sample tags/labels, custody seals, and Chain-of-Custody form

8.0 Sampling Design

8.1 A sufficient number of samples must be collected to meet the data quality objectives of the project. If the source of the PCB contamination is regulated under the federal TSCA PCB Regulations at 40 CFR Part 761, the sampler should insure that the sampling design is sufficient to meet any investigation or verification sampling requirements. At a minimum, the following is recommended:

8.1.1 Suspected stained area (s) should be sampled.

8.1.2 At each separate location, collect at least 3 samples of each type of porous surface, regardless of the amount of each type of porous surface present.

8.1.3 In areas where PCB equipment was used or where PCBs were stored, samples should be collected at a frequency of 1 sample/100 square feet (ft^2).

9.0 Sample Collection

9.1 Hard Porous Surfaces

9.1.1 Lock a 1-inch or another size diameter carbide drill bit into the impact hammer drill and plug the drill into an appropriate power source. For easy identification, sample locations may be pre-marked using a marker or paint. (Note: the actual drilling point must not be marked.) Remove any debris with a clean brush or cloth prior to drilling. All sampling decisions of this nature should be noted in the sampling logbook.

9.1.2 Use a Cubitainer with the top cut off or aluminum foil to contain the powdered sample. Begin drilling in the designated location. Apply steady even pressure and let the drill do the work. Applying too much pressure will generate excessive heat and dull the drill bit prematurely. The drill will provide a finely ground powder that can be easily collected.

9.1.3 Samples should be collected at 1/2-inch depth intervals. Thus, the initial surface sample should be collected from 0 – 0.5 inches. A 1/2-inch deep hole generates about 10 grams (20 mL) of powder. Multiple holes located closely adjacent to each other, may be needed to generate sufficient sample volumes for a PCB determination. It is strongly recommended that the analytical laboratory be consulted on the minimum sample size needed for PCB extraction and analysis.

9.1.4 Wall and Ceiling Sampling: A team of two samplers will be required for wall and ceiling sampling. The second person will hold a clean catch surface (e.g. an aluminum pan) below the drill to collect the falling powder. Alternatively, use the chuck-end of the drill bit and punch a hole through the center of the collection pan. The drill bit is then mounted through the pan and into the drill. For ceilings, the drill may be held at an angle to collect the powder. Thus the driller can be drilling at an angle while the assistant steadies the pan to catch the falling powder. As a precaution, it may be advantageous to tape a piece of plastic around the drill, just below the chuck, to avoid dust contaminating the body of the drill and entering the drill's cooling vents. Caution must be taken to prevent obstruction of the drill's cooling vents.

9.2 Soft Porous Surfaces

9.2.1 The procedure for the hard porous surface may be used for certain soft porous surfaces, such as wood.

9.2.2 Samples should be collected at no more than 1/2-inch depth intervals using a metal chisel or sharp cutting knife. Thus, the initial surface sample should be collected from 0 – 0.5 inches. It is important to collect at least 10 grams for analysis.

9.2.3 For soft porous surfaces, such as caulking and rubber, a representative sample can be collected using a metal chisel or sharp cutting knife.

9.3 Multiple Depth Sampling

9.3.1 Multiple Depth Sampling may not be applicable to certain porous surfaces, such as caulking.

9.3.2 Collect the surface sample as outlined in Section 9.1 or 9.2.

9.3.3 Use the vacuum pump or cleaner to clean out the hole.

9.3.4 To collect multiple depths there are two options.

9.3.4.1 Option one: drill sequentially ½ inch increments with the 1 inch drill.

9.3.4.2 Option two: drill with the 1 inch bit and either make the hole larger or use a smaller bit to take the next 1/2 inch sample.

9.3.5 A stainless steel spoonula will make it easier to collect the sample from the bottom of the hole.

Note: The holes should be vacuumed thoroughly to minimize any cross-contamination between sample depths and the bits should be decontaminated between samples. (See Section 11.0.)

10.0 Sample Handling, Preservation, and Storage

10.1 Samples must be collected in glass containers for PCB analyses. In general, a 2-ounce sample container with a Teflon-lined cap (wide-mouth jars are preferred) will hold sufficient mass for most analyses. A 2-ounce jar can hold roughly 90 grams of sample.

10.2 Samples are to be shipped refrigerated and maintained at $\leq 6^{\circ}C$ until the time of extraction and analysis.

10.3 The suggested holding time for PCB samples is 14 days to extraction.

11.0 Decontamination

11.1 Assemble two decontamination buckets. The first bucket contains a detergent and potable water solution, and the second bucket is for rinsate. Place all used drill bits, hose for the vacuum cleaner, and utensils in the detergent and water bucket. Scrub each piece thoroughly using the scrub brush. Rinse each piece with water and hexane and place the rinsed pieces on clean paper towels. Individually dry and inspect each piece.

Notes: The powder does cling to the metal surfaces, so care should be taken during decontamination, especially with the twists and curves of the drill bits. Ensure that all equipment is dry prior to reuse.

11.2 Lightly contaminated drill bits and utensils may be wiped with a hexane soaked cloth and hexane rinsed for decontamination.

11.3 All equipment, including the impact hammer, vacuum pump, and/or vacuum cleaner, should be wipe cleaned upon completion of the sampling and prior to leaving the site.

12.0 Data and Record Management

12.1 All data and information collection should follow a Field Data Management SOP or Quality Assurance Project Plan (QAPP).

12.2 Follow the chain of custody procedures to release the samples to the laboratory. A copy is kept with the sampling records.

12.3 The field data is stored for at least 3 years.

13.0 Quality Control and Quality Assurance

13.1 Representative samples are required. The sampler will evaluate the site specific conditions to assure the sample will be representative.

13.2 All sampling equipment must be decontaminated prior to use and between each discrete sample.

13.3 All field Quality Control (QC) sample requirements in a Sample and Analysis Plan (SAP) or QAPP must be followed. The SAP or QAPP may involve field blanks, equipment blanks, field duplicates and/or the collection of extra samples for the laboratory's quality control program.

13.4 Field duplicates should be collected at a minimum frequency of 1 per 20 samples or 1 per non-related porous matrix, whichever is greater.

14.0 Waste Management and Pollution Prevention

14.1 During field sampling events there may be PCB and/or hazardous waste produced from the sample collection. The waste must be handled and disposed of in accordance with federal, state, and local regulations. The dust filter, and tubing if a vacuum pump is used, is disposed after each site investigation. This waste will be treated as PCB waste if the samples are positive for PCBs. It may be possible to manage or dispose of the waste produced at the site where the work was performed. If the site does not meet regulatory requirements for these types of activities, the waste must be transported to a facility permitted to manage and/or dispose of the waste.

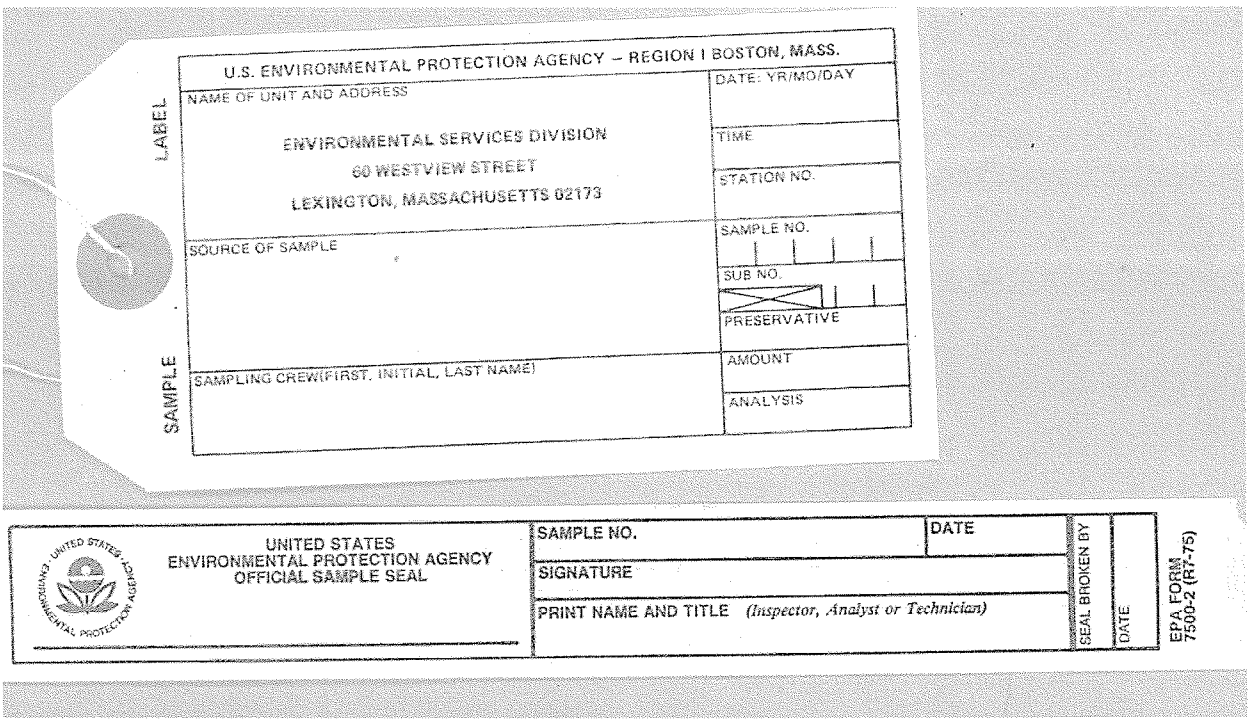
15.0 References

1. Guidance for the Preparation of Standard Operating Procedures for Quality-Related Operations, QA/G-6, EPA/600/R-96/027, November 1995.

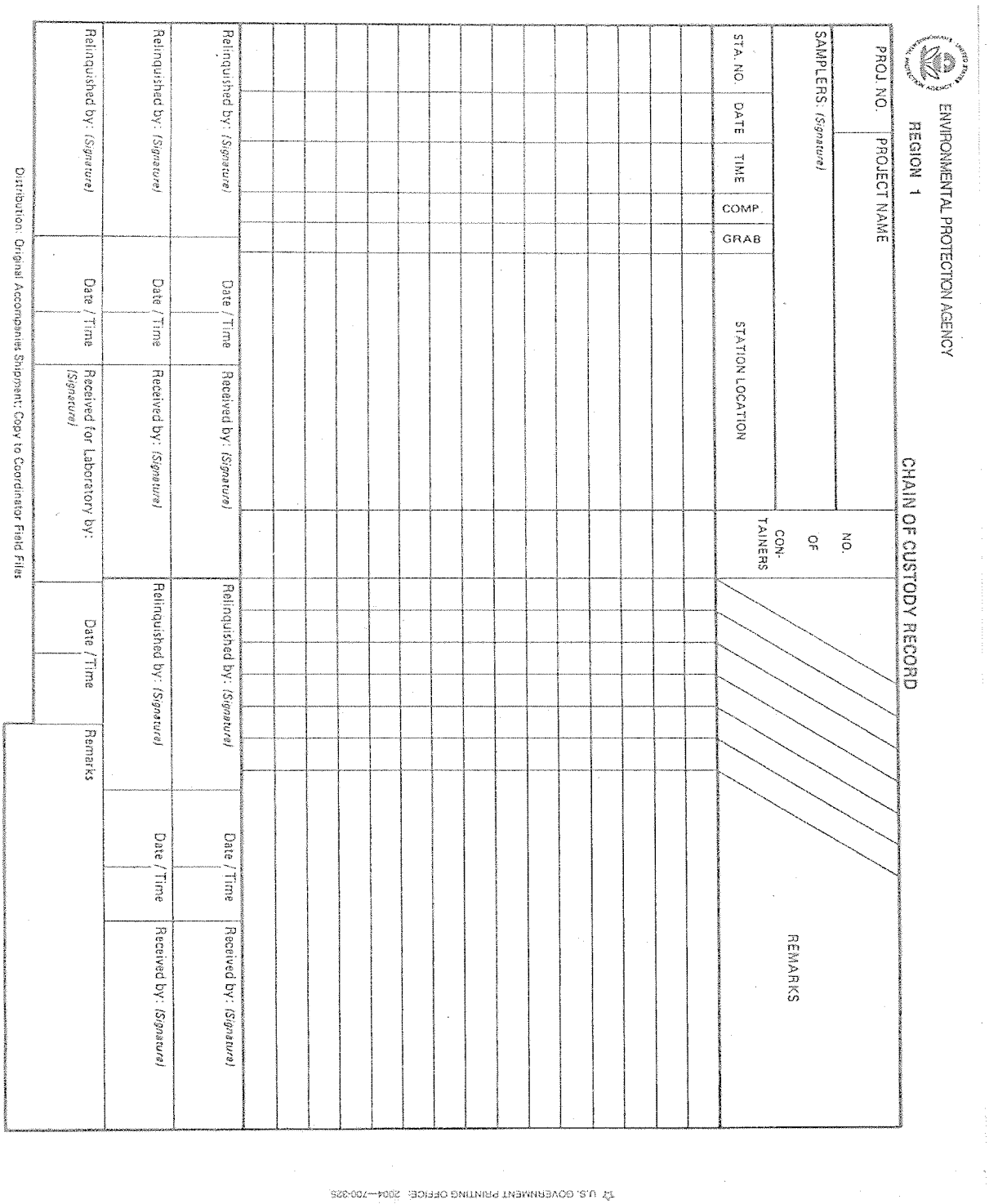
2. 40 CFR Part 761 – Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution In Commerce, and Use Prohibitions

3. Sample Container and Holding Time: RCRA SW 846, Chapter 4, Table 4.1, Revision 4, February, 2007.

Example of Sample Label and Custody Seal



Example of Chain of Custody Form



CHIP, WIPE, AND SWEEP SAMPLING

SOP#: 2011
DATE: 11/16/94
REV. #: 0.0

1.0 SCOPE AND APPLICATION

This standard operating procedure (SOP) outlines the recommended protocol and equipment for collection of representative chip, wipe, and sweep samples to monitor potential surficial contamination.

This method of sampling is appropriate for surfaces contaminated with non-volatile species of analytes (i.e., PCB, PCDD, PCDF, metals, cyanide, etc.) Detection limits are analyte specific. Sample size should be determined based upon the detection limit desired and the amount of sample requested by the analytical laboratory. Typical sample area is one square foot. However, based upon sampling location, the sample size may need modification due to area configuration.

These are standard (i.e., typically applicable) operating procedures which may be varied or changed as required, dependent on site conditions, equipment limitations or limitations imposed by the procedure or other procedure limitations. In all instances, the ultimate procedures employed should be documented and associated with the final report.

Mention of trade names or commercial products does not constitute U.S. EPA endorsement or recommendation for use.

2.0 METHOD SUMMARY

Since surface situations vary widely, no universal sampling method can be recommended. Rather, the method and implements used must be tailored to suit a specific sampling site. The sampling location should be selected based upon the potential for contamination as a result of manufacturing processes or personnel practices.

Chip sampling is appropriate for porous surfaces and is generally accomplished with either a hammer and chisel, or an electric hammer. The sampling device should be laboratory cleaned and wrapped in clean, autoclaved aluminum foil until ready for use. To collect the sample, a measured and marked off area is chipped both horizontally and vertically to an even depth of 1/8 inch. The sample is then transferred to the proper sample container.

Wipe samples are collected from smooth surfaces to indicate surficial contamination; a sample location is measured and marked off. While wearing a new pair of surgical gloves, a sterile gauze pad is opened, and soaked with solvent. The solvent used is dependent on the surface being sampled. This pad is then stroked firmly over the sample surface, first vertically, then horizontally, to ensure complete coverage. The pad is then transferred to the sample container.

Sweep sampling is an effective method for the collection of dust or residue on porous or non-porous surfaces. To collect such a sample, an appropriate area is measured off. Then, while wearing a new pair of disposable surgical gloves, a dedicated brush is used to sweep material into a dedicated dust pan. The sample is then transferred to the proper sample container.

Samples collected by all three methods are then sent to the laboratory for analysis.

3.0 SAMPLE PRESERVATION, CONTAINERS, HANDLING, AND STORAGE

Samples should be stored out of direct sunlight to reduce photodegredation, cooled to 4°C and shipped to the laboratory performing the analysis. Appropriately sized laboratory cleaned, glass sample jars should be used for sample collection. The amount of sample required will be determined in concert with the analytical laboratory.

4.0 INTERFERENCES AND POTENTIAL PROBLEMS

This method has few significant interferences or problems. Typical problems result from rough porous

surfaces which may be difficult to wipe, chip, or sweep.

5.0 EQUIPMENT

Equipment required for performing chip, wipe, or sweep sampling is as follows:

- Lab clean sample containers of proper size and composition
- Site logbook
- Sample analysis request forms
- Chain of Custody records
- Custody seals
- Field data sheets
- Sample labels
- Disposable surgical gloves
- Sterile wrapped gauze pad (3 in. x 3 in.)
- Appropriate pesticide (HPLC) grade solvent
- Medium sized laboratory cleaned paint brush
- Medium sized laboratory cleaned chisel
- Autoclaved aluminum foil
- Camera
- Hexane (pesticide/HPLC grade)
- Iso-octane
- Distilled/deionized water

6.0 REAGENTS

Reagents are not required for preservation of chip, wipe or sweep samples. However, reagents will be utilized for decontamination of sampling equipment.

7.0 PROCEDURES

7.1 Preparation

1. Determine the extent of the sampling effort, the sampling methods to be employed, and the types and amounts of equipment and supplies needed.

2. Obtain necessary sampling and monitoring equipment.

3. Decontaminate or preclean equipment, and ensure that it is in working order.

4. Prepare scheduling and coordinate with staff, clients, and regulatory agency, if appropriate.

5. Perform a general site survey prior to site entry in accordance with the site specific Health and Safety Plan.

6. Mark all sampling locations. If required the proposed locations may be adjusted based on site access, property boundaries, and surface obstructions.

7.2 Chip Sample Collection

Sampling of porous surfaces is generally accomplished by using a chisel and hammer or electric hammer. The sampling device should be laboratory cleaned or field decontaminated as per the Sampling Equipment Decontamination SOP. It is then wrapped in cleaned, autoclaved aluminum foil. The sampler should remain in this wrapping until it is needed. Each sampling device should be used for only one sample.

1. Choose appropriate sampling points; measure off the designated area. Photo documentation is optional.

2. Record surface area to be chipped.

3. Don a new pair of disposable surgical gloves.

4. Open a laboratory-cleaned chisel or equivalent sampling device.

5. Chip the sample area horizontally, then vertically to an even depth of approximately 1/8 inch.

6. Place the sample in an appropriately prepared sample container with a Teflon lined cap.

7. Cap the sample container, attach the label and custody seal, and place in a plastic bag. Record all pertinent data in the site logbook and on field data sheets. Complete the sampling analysis request form and chain of custody record before taking the next sample.

8. Store samples out of direct sunlight and cool to 4EC.

9. Follow proper decontamination procedures then deliver sample(s) to the laboratory for analysis.

7.3 Wipe Sample Collection

Wipe sampling is accomplished by using a sterile

gauze pad, adding a solvent in which the contaminant is most soluble, then wiping a pre-determined, pre-measured area. The sample is packaged in an amber jar to prevent photodegradation and packed in coolers for shipment to the lab. Each gauze pad is used for only one wipe sample.

1. Choose appropriate sampling points; measure off the designated area. Photo documentation is optional.

2. Record surface area to be wiped.

3. Don a new pair of disposable surgical gloves.

4. Open new sterile package of gauze pad.

5. Soak the pad with solvent of choice.

6. Wipe the marked surface area using firm strokes. Wipe vertically, then horizontally to insure complete surface coverage.

7. Place the gauze pad in an appropriately prepared sample container with a Teflon-lined cap.

8. Cap the sample container, attach the label and custody seal, and place in a plastic bag. Record all pertinent data in the site logbook and on field data sheets. Complete the sampling analysis request form and chain of custody record before taking the next sample.

9. Store samples out of direct sunlight and cool to 4°C.

10. Follow proper decontamination procedures, then deliver sample(s) to the laboratory for analysis.

7.4 Sweep Sample Collection

Sweep sampling is appropriate for bulk contamination. This procedure utilizes a dedicated, hand held sweeper brush to acquire a sample from a pre-measured area.

1. Choose appropriate sampling points; measure off the designated area. Photo documentation is optional.

2. Record the surface area to be swept.

3. Don new pair of disposable surgical gloves.

4. Sweep the measured area using a dedicated brush; collect the sample in a dedicated dust pan.

5. Transfer sample from dust pan to sample container.

6. Cap the sample container, attach the label and custody seal, and place in a plastic bag. Record all pertinent data in the site log book and on field data sheets. Complete the sampling analysis request form and chain of custody record before taking the next sample.

7. Store samples out of direct sunlight and cool to 4EC.

8. Leave contaminated sampling device in the sample material, unless decontamination is practical.

9. Follow proper decontamination procedures, then deliver sample(s) to the laboratory for analysis.

8.0 CALCULATIONS

Results are usually provided in mg/g, µg/g, mass per unit area, or other appropriate measurement. Calculations are typically done by the laboratory.

9.0 QUALITY ASSURANCE/ QUALITY CONTROL

The following general quality assurance procedures apply:

1. All data must be documented on standard chain of custody forms, field data sheets or within the site logbook.

2. All instrumentation must be operated in accordance with operating instructions as supplied by the manufacturer, unless otherwise specified in the work plan. Equipment checkout and calibration activities must occur prior to sampling/operation, and they must be documented.

The following specific quality assurance activities apply to wipe samples:

For wipe samples, a blank should be collected for each sampling event. This consists of a sterile gauze pad, wet with the appropriate solvent, and placed in a prepared sample container. The blank will help identify potential introduction of contaminants via the sampling methods, the pad, solvent or sample container. Spiked wipe samples can also be collected to better assess the data being generated. These are prepared by spiking a piece of foil of known area with a standard of the analyte of choice. The solvent containing the standard is allowed to evaporate, and the foil is wiped in a manner identical to the other wipe samples.

Specific quality assurance activities for chip and sweep samples should be determined on a site specific basis.

10.0 DATA VALIDATION

A review of the quality control samples will be conducted and the data utilized to qualify the environmental results.

11.0 HEALTH AND SAFETY

When working with potentially hazardous materials, follow EPA, OSHA and corporate health and safety procedures.

12.0 REFERENCES

U.S. EPA, A Compendium of Superfund Field Operation Methods. EPA/540/5-87/001.

NJDEP Field Sampling Procedures Manual, February, 1988.

REGION I, EPA-NEW ENGLAND

DRAFT
STANDARD OPERATING PROCEDURE
FOR SAMPLING CONCRETE IN THE FIELD

U.S. EPA-NEW ENGLAND
Region I
Quality Assurance Unit Staff
Office of Environmental Measurement and Evaluation

Prepared by: *Alan W Peterson* **Date:** *12/30/97*
Quality Assurance Chemist

Reviewed by: *Andrew Beliveau* **Date:** *12/30/97*
Senior Technical Specialist

Approved by: *Nancy Barmakian* **Date:** *12/30/97*
Branch Chief

Region I, EPA New England

Standard Operating Procedure for Sampling Concrete in the Field

Table of Contents

Region I, EPA New England

Standard Operating Procedure for Sampling Concrete in the Field

1.0 Scope and Application

The following Standard Operating Procedure (SOP) describes a concrete sampling technique which uses an impact hammer drill to generate a uniform, finely ground, powder which is easily homogenized, extracted and analyzed. This procedure is primarily geared at providing enough sample for one or two different analyses at a time. That is, the time required to generate sufficient sample for a full sweet of analyses may be impractical. The concrete powder is suitable for all types of environmental analyses, with the exception of volatile compounds, and may be analyzed in the field or at a fixed laboratory. This procedure is applicable for the collection of samples from concrete floors, walls, and ceilings.

The impact hammer drill is far less labor intensive than previous techniques using coring devices, or hammers and chisels. It allows for easy selection of sample location and sample depth. Not only can the project planner control the depth to sample into the concrete, from surface samples (0 - ½ inch) down to a core of the entire slab, but the technique can also be modified to collect samples at discrete depths within the concrete slab.

Another issue with concrete sampling is the fact that the amount of time spent drilling translates into the weight of sample produced. Thus, to maximize sampling time, it is important to know the minimum amount of sample required for each analysis. To do this, the project planner should take the following steps: 1) Use the Data Quality Objective (DQO) process and familiarity with the site to develop the objectives of the sampling project and the depth(s) of sample to be collected. 2) Review the site history and any previous data collected to determined possible contaminants of concern. 3) Establish the action levels for those possible contaminants and determine the appropriate analytical methods (both field and/or fixed laboratory) to meet the DQOs of the project. 4) Based on the detection limits of these methods, determine the amount of sample required for each analysis and the total sample weight require for each sample location (including quality control samples).

As with any environmental data collection project, all aspects of a concrete sampling episode should be well thought out, prior to going out in the field, and thoroughly described in a Quality Assurance Project Plan (QAPP). The QAPP should clearly state the DQOs of the project and document a complete Quality Assurance/Quality Control program to reconcile the data generated with the established DQOs. For more information on these subjects, refer to EPA documents QA/R-5, EPA Requirements for Quality Assurance Project Plans for Environmental Data Operations, and QA/G-4, Guidance for the Data Quality Objective Process.

2.0 Method Summary

A one-inch diameter carbide drill bit is used in a rotary impact hammer drill to generate a fine concrete powder suitable for analysis. The powder is placed in a sample container and homogenized for field or fixed laboratory analysis. The procedure can be used to sample a single depth into the concrete, or may be modified to sample the concrete at distinctly different depth zones. The modified depth sampling procedure is designed to minimize any cross contamination between the sampling zones. If different sampling depths are required, two different diameter drill bits and a vacuum sampling apparatus are employed.

3.0 Health and Safety

Eye and hearing protection are required at all times during sample drilling. A small amount of dust is generated during the drilling process. Proper respiratory protection and/or a dust control system must be in place at all times during sampling.

4.0 Interferences and Potential Problems

Since this sampling technique produces a finely ground uniform powder, physical matrix effects from variations in the sample consistency (i.e., particle size, uniformity, homogeneity, and surface condition) are minimized. Matrix spike analysis of a sample is highly recommended to monitor for any matrix related interferences.

As stated in Section 1.0 above, this sampling procedure is not recommended for volatile organic compound (VOC) analysis. The combination of heat generated during drilling and the exposure of a large amount of surface area will greatly reduce VOC recovery. If low boiling point semi-volatile compounds (i.e., naphthalene) are being analyzed, then the drill speed should be reduced to minimize heat build-up.

5.0 Equipment and Supplies

5.1 Single Depth Concrete Sampling

5.1.1 Rotary impact hammer drill
5.1.2 1-inch diameter carbide drill bits
5.1.3 Stainless steel scoopulas
5.1.4 Stainless steel spoonulas (for collecting sample in deeper holes, >2-inches)
5.1.5 Rectangular aluminum pans (to catch concrete during wall and ceiling sampling)
5.1.6 Gasoline powered generator (if alternative power source is required)

5.2 Multiple Depth Sampling (in addition to all the above)

5.2.1 ½ inch diameter carbide drill bits
5.2.2 Vacuum/sample trap assembly (see Section 7.2 and Figure 1)

5.2.2.1 Vacuum pump
5.2.2.2 2-hole rubber stopper
5.2.2.3 Glass tubing (to fit stopper)
5.2.2.4 Large glass test tubes, or Erlenmeyer flasks, for sample trap (several are suggested)
5.2.2.5 Polyethylene tubing for trap inlet (Tygon tubing may be used for the trap outlet)
5.2.2.6 Pasture pipets
5.2.2.7 Pipe cleaners
5.2.2.8 In-line dust filter (glass fiber filter, or equivalent)

6.0 Sample Containers, Preservation, and Storage

Concrete samples must be collected in glass containers for organic analyses, and may be collected in either glass or plastic containers for inorganic analyses. In general, a 2-ounce sample container with

Teflon-lined cap (wide-mouth jars are preferred) will hold sufficient volume for most analyses. A 2-ounce jar can hold roughly 90 grams sample. Note, samples which require duplicate and/or matrix spike/matrix spike duplicate analyses may require a larger sample container, or additional 2-ounce sample containers.

Organic samples are to be shipped on ice and maintained at 4°C (± 2°C) until the time of extraction and analysis. Inorganic samples may be shipped and stored at room temperature. Refer to 40 CFR Part 136 for guidelines on analysis holding times.

To maintain sample integrity, chain-of-custody procedures must be implemented at the time of sampling to 1) document all sample locations and associated field sample identification numbers, 2) document all quality control samples taken, including field duplicates, split samples for confirmatory analyses, and PE samples, and 3) document the transfer of field samples from field sampler to field chemist or fixed laboratory.

7.0 Procedure

7.1 Single Depth Concrete Sampling

Lock a 1-inch diameter carbide drill bit into the impact hammer drill and plug the drill into an appropriate power source. (A gasoline generator will be needed if electricity is not available.) For easy identification, sample locations may be pre-marked using a crayon or a non-contaminating spray paint. (Note, the actual drilling point must not be marked.) Depending on the appearance of the sample location, or the objectives of the sampling project, it may be desired to wipe the concrete surface with a clean dry cloth prior to drilling. All sampling decisions of this nature should be noted in the sampling logbook. Begin drilling in the designated location. Apply steady even pressure and let the drill do the work. Applying too much pressure will generate excessive heat and dull the drill bit prematurely. The drill will provide a finely ground concrete powder that can be easily collected, homogenized and analyzed. Having several decontaminated impact drill bits on hand will help expedite sampling when numerous sample locations are to be drilled.

Sample Collection

A ½-inch deep hole (using a 1-inch diameter drill bit) generates about 10 grams of concrete powder. Based on this and the action levels for the project, determine the sampling depth, and/or the number of sample holes to be composited, to generate sufficient sample volume for all of the required analyses. (Note, with the absorbency of concrete, a ½-inch deep hole can be considered a surface sample.)

A decontaminated stainless steel scoopula can be used to collect the sample. The powder can either be collected directly from the surface of the concrete and/or the concrete powder can be scraped back into the hole and the less rounded back edge of the scoopula can be used to collect the sample. For holes greater than 2-inches in depth, a stainless steel spoonula will make it easier to collect the sample from the bottom of the hole.
To ensure collection of a representative sample when multiple analyses are required, a concrete sample should always be collected and homogenized in a single container and then divided up into the individual containers for the various analyses or split samples. This is particularly important when sample holes are deep, or when several holes are drilled adjacent to each other to form a sample composite.

Wall and Ceiling Sampling

A team of two samplers will be required for wall and ceiling sampling. The second person will be needed to hold a clean catch surface (i.e., an aluminum pan) below the drill to collect the falling powder. For wall samples, a scoopula, or spoonula, can be used to collect remaining concrete powder from within the hole. For ceiling holes, it may be necessary to drill the hole at an angle so the concrete powder can fall freely in the collection plan (and avoid falling on the drill). Another alternative might be to use the chuck-end of the drill bit and punch a hole through the center of the collection pan. The drill bit is then mounted through the pan and into the drill. Thus, the driller can be drilling straight up while the assistant steadies the pan to catch the falling dust. As a precaution, it may be advantageous to tape a piece of plastic around the drill, just below the chuck, to avoid dust contaminating the body of the drill and entering the mechanical vents. (Note, the plastic should deflect dust from the drill, but be loose enough underneath to allow for proper ventillation.)

7.2 Multiple Depth Concrete Sampling

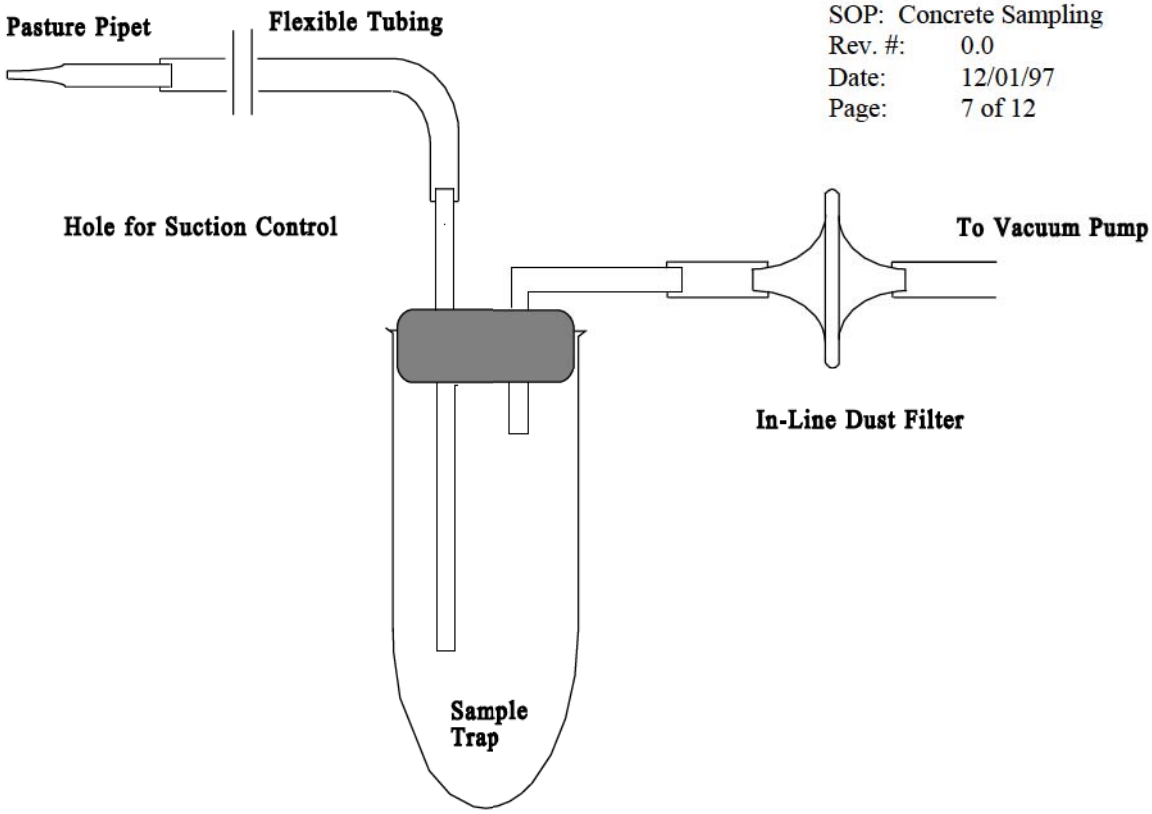
The above method for concrete sampling can also be used to collect samples from different depths within the concrete. To do this, two different sized drill bits (i.e., ½ inch and 1 inch) and a simple vacuum pump with a vacuum trap assembly is required (see Figure 1). First, the 1 inch drill bit is used to drill to the first level and the concrete sample is collected as described in Section 7.1. The vacuum pump is then turned on and the hole is cleaned out using the vacuum trap assembly. The drill bit is then changed to the ½ inch bit and the next depth is drilled out (the ½ inch bit is used to avoid contact with the sides of the first hole). A clean tube or flask is placed on the vacuum trap, and the sample from the second drilling is collected. To go further, the 1 inch drill is used to open up the hole to the second level, the hole is cleared, and then the ½ inch drill is used again to go to a third level, etc. Note, the holes and concrete surface should be vacuumed thoroughly to minimize any cross-contamination between sample depths.

Vacuum Trap Design and Clean-out

The trap presented in Figure 1 is a convenient and thorough way for collecting and removing concrete powder from drilled holes. The trap system is designed to allow for control of the suction from the vacuum pump and easy trap clean-out between samples. Note, by placing a hole in the inlet tube (see Figure 1), a finger on the hand holding the trap can be used to control the suction at the sampling tip. Thus, when this hole is left completely open, there will be no suction, and the sampler can have complete control over where and what to sample. To change-out between samples the following steps should be taken: 1) The pasture pipet and piece of polyethylene tubing at the sample inlet should be replaced with new materials, 2) the portion of the rubber stopper and glass tubing that was in the trap should be wiped down with a clean damp paper towel (wetted with deionized water) and then dried with a fresh paper towel, 3) a clean pipe cleaner should be drawn through the glass inlet tube to remove any concrete dust present, and 4) the glass tube or flask used to collect the sample should swapped out with a clean decontaminated sample trap. Having several clean tubes or flasks on hand will facilitate change-out between samples.

7.3 Decontamination Procedure

Necessary supplies for decontamination include: two small buckets, a scrub brush, potable water, deionized water, a squirt bottle for the deionized water, and paper towels. The first bucket contains a soap and potable water solution, and the second bucket contains just potable water. Place all used drill



bits and utensils in the soap and water bucket. Scrub each piece thoroughly using the scrub brush. Note, the concrete powder does cling to the metal surfaces, so care should be taken during this step, especially with the twists and curves of the drill bits. Next, rinse each piece in the potable water bucket, and follow with a deionized water rinse from the squirt bottle. Place the deionized water rinsed pieces on clean paper towels and individually dry and inspect each piece. Note, all pieces should be dry prior to reuse.

8.0 Field Documentation

All Site related documentation and reports generated from concrete sampling should be maintained in the central Site file. If personal logbooks are used, legible copies of all pertinent pages must be placed in the Site file.

8.1 Field Logbooks

All field documentation should be maintained in bound logbooks with numbered pages. If loose-leaf logsheets are used to document site activities, extra care should be taken in keep track of all logsheets. The original copy of all logsheets should be maintained in the central Site file. Note, all sample locations must be documented by tying in their location to a detailed site map, or by using two or more permanent landmarks. The following information should be documented in the field logbooks:

- Site name and location,
- EPA Site Manager,
- Name and affiliation of field samplers (EPA, Contractor company name, etc.),
- Sampling date,
- Sample locations and IDs,
- Sampling times and depths, and
- Other pertinent information or comments

8.2 Sample Labeling and Chain-of-Custody

8.2.1 Sample Labels

Sample labels will be affixed to all sample containers. Labels must contain the following information:

- Project name,
- Sample number, and/or location
- Date and time of sampling,
- Analysis,
- Preservation, and
- Sampler's name.

8.2.2 Chain-of-Custody

All samples must be traced from collection, to shipment, to laboratory receipt and laboratory custody. The Chain-of-Custody (COC) Record is a multi-part form that is initiated as samples are acquired and accompanies a sample (or group of samples) as they are transferred from person to person. The COC form is signed by all individuals responsible for sampling, sample transport, and laboratory receipt. (Note, overnight deliver services, often used with sample transport, are exempt from having to sign the COC form. However, copies of all shipping invoices must be kept with the COC documentation.) One copy of the COC is retained by the field sampling crew, while the original (top, signed copy) and remaining carbonless copies are placed in a zip-lock bag and taped to the inside lid of the shipping cooler. If multiple coolers are required for a sample shipment to a single laboratory, the COC need only be sent with one of the coolers. The COC should state how many coolers are included with the shipment. All sample shipments to different laboratories require individual COC forms. The original COC form accompanies the samples until the project is complete, and is then kept in the permanent project file. A copy of the COC is also kept with the project manager, the laboratory manager, and attached to the data package.

8.2.3 Custody Seal

The Custody seal is an adhesive-backed label which is also part of the chain-of-custody process. The custody seal is used to prevent tampering with the samples after they have been collected in the field and sealed in coolers for transit to the laboratory. The Custody seals are signed and dated by a sampler and affixed across the opening edges of each cooler containing samples. Clear packing tape should be wrapped around the cooler, and over the Custody seal, to secure the cooler and avoid accidental tampering with the Custody seal.

9.0 Quality Assurance and Quality Control (QA/QC)

A solid QA/QC program is essential to establishing the quality of the data generated so that proper project decisions can be made. The following are key quality control elements which should be incorporated into a concrete sampling and analytical program.

9.1 Equipment Blanks

An equipment blank should be performed on decontaminated drill bits and collection utensils at a frequency of 1 per 20 samples or 1 per day, whichever is greater. To prepare the equipment blank, place the decontaminated drill bit and utensils in a large clean stainless steel bowl. Pour sufficient deionized water into the bowl to fill all of the required sample containers. Next, stir the drill bit and utensils in the bowl with a clean utensil to thoroughly mix the blank. Finally, decant off the equipment blank into the sample containers. Note, a clean funnel may help to pour off the equipment blank into the containers.

9.2 Field Duplicates

Field duplicates are samples collected adjacent to each other (collocated) at the same sample location (not two aliquots of the same sample). Field duplicates not only help provide an indicator of overall precision, but measure the cumulative effects of both the field and analytical precision, and also measure the representativeness of the sample. Field duplicates must be prepared and analyzed at a frequency of 1 per 20 samples or 1 per non-related concrete matrix, whichever is greater. An example of a non-related concrete matrix might be the investigation of two different types of chemical spills.

Calculate the Relative Percent Difference (RPD) between the sample and its duplicate using Equation 1.

$$RPD = \frac{|S - D|}{\frac{(S + D)}{2}} \, x \, 100$$

Equation 1
Where:

S = Original sample result
D = Duplicate sample result

The following general guidelines have been established for field duplicate criteria:

- If both the original and field duplicate values are ≥ practical quantitation limit (PQL), then the control limit for RPD is ≤50%,
- If one or both values are < PQL, then do not assess the RPD.

If more rigorous field duplicate criteria are needed to achieve project DQOs, then that criteria should be documented in the project QAPP.

If the field duplicate criteria specified above are not met, then flag that target element with an "*" on the final report for both the original and field duplicate samples. Report both the original and field duplicate analyses; do not report the average. Field duplicate samples should should be indicated on the sample ID. For example, the sample ID can contain the the suffix "FD".

9.3 Laboratory Duplicates

Laboratory duplicates are two aliquots of the same sample that are prepared, homogenized and analyzed in the same manner. (Note, proper sample homogenization is critical in producing meaningful results.) The precision of the sample preparation and analytical methods is determined by performing a laboratory duplicate analysis. Laboratory duplicates can be prepared in the field and submitted as blind samples, or

the laboratory can be requested to perform the laboratory duplicate analysis. In the case of laboratory prepared duplicates, the field sampling team must be sure to provide sufficient sample volume. Laboratory duplicates must be prepared and analyzed at a frequency of 1 per 20 samples or 1 per non-related concrete matrix, whichever is greater.

Calculate the RPD between the sample and its duplicate using Equation 1. The following general guidelines have been established for laboratory duplicate criteria:

- If both the original and laboratory duplicate values are ≥ PQL, then the control limit for RPD is ≤25%,
- If one or both values are < PQL, then do not assess the RPD.

If duplicate criteria are not met, then flag that target element with an "*" on the final report for both the original and duplicate samples. Report both the original and duplicate analyses; do not report the average.

9.4 Matrix Spike/Matrix Spike Duplicate Samples

Matrix spike/matrix spike duplicate samples (MS/MSDs) are two additional aliquots of a sample which are spiked with the appropriate compound(s) or analyte(s) of concern and then prepared and analyzed along with the original sample. (Note, proper sample homogenization, prior to spiking, is critical in producing meaningful results.) MS/MSDs help evaluate the effects of sample matrix on the analytical methods being used. The field sampling team must provide sufficient sample volume such that the field or fixed laboratory can prepare and analyze MS/MSDs at a frequency of 1 per 20 samples or 1 per non-related concrete matrix, whichever is greater.

Calculate the recovery of each matrix spike compound or analyte using Equation 2.

$$MSR = \frac{SSR - SR}{SA} \times 100$$

Equation 2
Where,

MSR	=	Matrix Spike Recovery,	SA	=	Spike Added
SSR	=	Spiked Sample Result,	SR	=	Sample Result

Calculate the relative percent difference (RPD) between the recoveries of each compound or analyte in the matrix spike and matrix spike duplicate using Equation 3.

$$RPD = \frac{|MSR - MSRD|}{\frac{(MSR + MSRD)}{2}} \times 100$$

Equation 3
Where,

MSR	=	Matrix Spike Recovery
MSRD	=	Matrix Spike Duplicate Recovery

9.5 Performance Evaluation Samples

In accordance with the EPA Region I Performance Evaluation Program Guidance, performance evaluation (PE) samples should be submitted for each type of analysis to be performed in the field or by the fixed laboratory performing full protocol EPA methods. PE samples provide information on the quality of the individual data packages. PE samples are certified standard reference materials (SRMs) from a source other than that used to calibrate the instrument. If both field and fixed laboratories are being used to analyze samples, at least one solid PE sample should undergo both field analysis and confirmatory full protocol EPA method analysis to facilitate data comparability. A copy of the certified values for the SRM must be submitted with the final data packages to facilitate data evaluation.

9.6 Data Verification and Validation

All field data and supporting information (including chain-of-custody) that is collected during a concrete sampling episode should be verified daily, by a person other than that performing the work, to check for possible errors.

During the project planning process, a plan for data validation should be established for all data, both for field and fixed laboratories. All data must be validated to assure that it is of a quality suitable to make project decisions. For help in developing a data validation program refer to Region I, EPA New England, Data Validation Functional Guidelines for Evaluating Environmental Analyses.

9.7 Audits

9.7.1 Internal Audits

As part of the Quality Assurance/Quality Control Program for any sampling project, a series of internal audit checks should be instituted to monitor and maintain the integrity of the sample collection process. Timely internal reviews will insure that proper sampling, decontamination, chain-of-custody and quality control procedures are being followed. Also, the internal audit review is there to monitor any corrective actions taken, and/or institute corrective actions that should have been taken and were not. All corrective actions taken must be documented in an appropriate logbook, and if any corrective actions impact the final data reported, then they must also be documented in the final report narrative. The results of all internal audits must be documented in a report, and copies of the report issued to the Project Manager and the Quality Assurance Manager. The original copy of any audit report must remain with the main project file and be available for review.

9.7.2 External Audits

The Agency reserves the right to perform periodic field audits to ensure compliance with this SOP.

10.0 References

1) Guidance for the Data Quality Objective Process, QA/G-4, EPA/600/R-96/055, September 1994.

2) EPA Requirements for Quality Assurance Project Plans for Environmental Data Operations, QA/R-5, Interim Final, October 1997.

3) Guidance for the Preparation of Standard Operating Procedures for Quality-related Operations, QA/G-6, EPA/600/R-96/027, November 1995.

4) Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses, July 1996.

5) EPA Region I Performance Evaluation Program Guidance, July 1996.

6) U.S. EPA Code of Federal Regulations, 40 CFR, Part 136, Appendix B, Revised as of July 1995.

Appendix E - Site Characterization Laboratory Data, Laboratory QA/QC, Methods, and Chain of Custody

Report Date:
25-Apr-11 16:49

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Credere Associates, LLC
776 Main Street
Westbrook, ME 04092
Attn: Jedd Steinglass

Project: Sullivan School-Berwick, ME
Project #: 10001111

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB27181-01	BM-21	Paint	12-Apr-11 09:16	16-Apr-11 11:55
SB27181-02	BM-22	Paint	12-Apr-11 09:21	16-Apr-11 11:55
SB27181-03	BM-23	Paint	12-Apr-11 09:30	16-Apr-11 11:55
SB27181-04	BM-24	Paint	12-Apr-11 09:39	16-Apr-11 11:55
SB27181-05	BM-25	Paint	12-Apr-11 09:50	16-Apr-11 11:55
SB27181-06	BM-26	Paint	12-Apr-11 09:55	16-Apr-11 11:55
SB27181-07	BM-27	Paint	12-Apr-11 10:07	16-Apr-11 11:55
SB27181-08	BM-28	Paint	12-Apr-11 10:15	16-Apr-11 11:55
SB27181-09	BM-29	Paint	12-Apr-11 10:35	16-Apr-11 11:55
SB27181-10	BM-30	Paint	12-Apr-11 10:47	16-Apr-11 11:55
SB27181-11	BM-31	Paint	12-Apr-11 11:05	16-Apr-11 11:55
SB27181-12	BM-32	Paint	12-Apr-11 11:10	16-Apr-11 11:55
SB27181-13	BM-33	Paint	12-Apr-11 11:25	16-Apr-11 11:55
SB27181-14	BM-34	Paint	12-Apr-11 11:30	16-Apr-11 11:55
SB27181-15	BM-35	Paint	12-Apr-11 11:40	16-Apr-11 11:55
SB27181-16	BM-36	Paint	12-Apr-11 11:47	16-Apr-11 11:55
SB27181-17	BM-37	Paint	12-Apr-11 12:13	16-Apr-11 11:55
SB27181-18	BM-38	Paint	12-Apr-11 13:00	16-Apr-11 11:55
SB27181-19	BM-39	Paint	12-Apr-11 13:20	16-Apr-11 11:55
SB27181-20	BM-40	Paint	12-Apr-11 13:24	16-Apr-11 11:55
SB27181-21	BM-41	Paint	12-Apr-11 14:57	16-Apr-11 11:55
SB27181-22	BM-42	Paint	12-Apr-11 14:59	16-Apr-11 11:55
SB27181-23	BM-43	Paint	12-Apr-11 15:00	16-Apr-11 11:55
SB27181-24	BM-44	Paint	12-Apr-11 15:06	16-Apr-11 11:55
SB27181-25	BM-45	Paint	12-Apr-11 15:15	16-Apr-11 11:55
SB27181-26	BM-46	Paint	12-Apr-11 15:35	16-Apr-11 11:55
SB27181-27	BM-47	Paint	12-Apr-11 15:45	16-Apr-11 11:55
SB27181-28	BM-48	Paint	12-Apr-11 16:20	16-Apr-11 11:55
SB27181-29	BM-49	Paint	12-Apr-11 16:40	16-Apr-11 11:55
SB27181-30	BM-50	Paint	12-Apr-11 17:02	16-Apr-11 11:55
SB27181-31	BM-51	Paint	12-Apr-11 14:58	16-Apr-11 11:55
SB27181-32	BM-52	Paint	12-Apr-11 15:05	16-Apr-11 11:55
SB27181-33	BM-53	Paint	12-Apr-11 15:20	16-Apr-11 11:55
SB27181-34	BM-54	Paint	12-Apr-11 15:50	16-Apr-11 11:55
SB27181-35	BM-55	Paint	12-Apr-11 16:10	16-Apr-11 11:55
SB27181-36	BM-56	Paint	12-Apr-11 16:15	16-Apr-11 11:55
SB27181-37	BM-57	Paint	12-Apr-11 16:21	16-Apr-11 11:55

SB27181-38	BM-58	Paint	12-Apr-11 16:31	16-Apr-11 11:55
SB27181-39	BM-59	Concrete	12-Apr-11 17:07	16-Apr-11 11:55
SB27181-40	BM-60	Concrete	12-Apr-11 17:17	16-Apr-11 11:55
SB27181-41	BM-61	Paint	12-Apr-11 17:25	16-Apr-11 11:55
SB27181-42	BM-62	Paint	12-Apr-11 17:27	16-Apr-11 11:55
SB27181-43	BM-63	Paint	12-Apr-11 17:40	16-Apr-11 11:55
SB27181-44	BM-64	Paint	12-Apr-11 17:50	16-Apr-11 11:55
SB27181-45	BM-65	Paint	12-Apr-11 18:05	16-Apr-11 11:55
SB27181-46	BM-66	Paint	12-Apr-11 18:13	16-Apr-11 11:55
SB27181-47	BM-67	Paint	12-Apr-11 18:16	16-Apr-11 11:55
SB27181-48	BM-68	Paint	12-Apr-11 18:26	16-Apr-11 11:55
SB27181-49	BM-69	Paint	12-Apr-11 18:35	16-Apr-11 11:55
SB27181-50	BM-70	Paint	12-Apr-11 18:45	16-Apr-11 11:55
SB27181-51	BM-71	Paint	12-Apr-11 17:20	16-Apr-11 11:55
SB27181-52	BM-72	Paint	12-Apr-11 17:23	16-Apr-11 11:55
SB27181-53	BM-73	Paint	12-Apr-11 19:26	16-Apr-11 11:55
SB27181-54	Dup-01	Paint	12-Apr-11 11:40	16-Apr-11 11:55
SB27181-55	Dup-02	Paint	12-Apr-11 14:58	16-Apr-11 11:55
SB27181-56	Dup-03	Paint	12-Apr-11 18:35	16-Apr-11 11:55

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 72 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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CASE NARRATIVE:

The samples were received 3.6 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Spikes:

1106909-MS1 *Source: SB27181-14*

Multiple analyses indicate the percent recovery exceeds the Quality Control acceptance criteria due to a matrix effect.

Aroclor-1016
Aroclor-1016 [2C]

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

1106909-MSD1 *Source: SB27181-14*

Multiple analyses indicate the percent recovery exceeds the Quality Control acceptance criteria due to a matrix effect.

Aroclor-1016
Aroclor-1016 [2C]

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

1107089-MS1 *Source: SB27181-40*

The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.

Aroclor-1260
Aroclor-1260 [2C]

1107089-MSD1 *Source: SB27181-40*

The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.

Aroclor-1260 [2C]

Samples:

SB27181-02 *BM-22*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27181-04 *BM-24*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27181-05 *BM-25*

SW846 8082A

Samples:

SB27181-05 *BM-25*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27181-06 *BM-26*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27181-10 *BM-30*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27181-11 *BM-31*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27181-13 *BM-33*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27181-14 *BM-34*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27181-17 *BM-37*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27181-18 *BM-38*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27181-19 *BM-39*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27181-20 *BM-40*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SW846 8082A

Samples:

SB27181-23 *BM-43*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1254

SB27181-23RE1 *BM-43*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB27181-26 *BM-46*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27181-27 *BM-47*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27181-28 *BM-48*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27181-29 *BM-49*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27181-30 *BM-50*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27181-32 *BM-52*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27181-34 *BM-54*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27181-36 *BM-56*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1254

SB27181-36RE1 *BM-56*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SW846 8082A

Samples:

SB27181-36RE1 *BM-56*

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB27181-37 *BM-57*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1254

SB27181-37RE1 *BM-57*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB27181-45 *BM-65*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1254

SB27181-45RE1 *BM-65*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB27181-46 *BM-66*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27181-48 *BM-68*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27181-49 *BM-69*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27181-50 *BM-70*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27181-51 *BM-71*

SW846 8082A

Samples:

SB27181-51 *BM-71*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27181-52 *BM-72*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27181-54 *Dup-01*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27181-56 *Dup-03*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-21	10001111	Paint	12-Apr-11 09:16	16-Apr-11
SB27181-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	101	1	SW846 8082A	19-Apr-11	23-Apr-11	IMR	1106909	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	101	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	101	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	101	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	101	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	101	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	101	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	101	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	101	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*84*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*113*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*132*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*119*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	96.9		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107163	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-22	10001111	Paint	12-Apr-11 09:21	16-Apr-11
SB27181-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	101	1	SW846 8082A	19-Apr-11	20-Apr-11	IMR	1106909	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	101	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	101	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	101	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	101	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	101	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	101	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	101	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	101	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*123*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*389*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*131*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*114*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	94.5		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107163	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-23	10001111	Paint	12-Apr-11 09:30	16-Apr-11
SB27181-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	104	1	SW846 8082A	19-Apr-11	20-Apr-11	IMR	1106909	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	104	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	104	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	104	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	104	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	5,160		µg/kg dry	104	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	104	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	104	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	104	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*91*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*61*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*97*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*99*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	94.5		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107163	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-24	10001111	Paint	12-Apr-11 09:39	16-Apr-11
SB27181-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	97.6	1	SW846 8082A	19-Apr-11	20-Apr-11	IMR	1106909	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	97.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	97.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	97.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	97.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	7,840		µg/kg dry	97.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	97.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	97.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	97.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*19000*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*121*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*101*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	95.0		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107163	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-25	10001111	Paint	12-Apr-11 09:50	16-Apr-11
SB27181-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	90.7	1	SW846 8082A	19-Apr-11	20-Apr-11	IMR	1106909	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	90.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	90.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	90.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	90.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	12,500		µg/kg dry	90.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	90.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	90.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	90.7	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*86*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*273*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*97*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*92*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	97.5		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107163	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-26	10001111	Paint	12-Apr-11 09:55	16-Apr-11
SB27181-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	102	1	SW846 8082A	19-Apr-11	20-Apr-11	IMR	1106909	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	102	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	102	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	102	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	102	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	7,680		µg/kg dry	102	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	102	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	102	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	102	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*94*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*221*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*98*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	89.7		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107163	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-27	10001111	Paint	12-Apr-11 10:07	16-Apr-11
SB27181-07				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	103	1	SW846 8082A	19-Apr-11	20-Apr-11	IMR	1106909	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	103	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	103	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	103	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	103	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	5,760		µg/kg dry	103	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	103	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	103	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	103	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*83*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*103*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*82*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	94.6		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107163	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-28	10001111	Paint	12-Apr-11 10:15	16-Apr-11
SB27181-08				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	105	1	SW846 8082A	19-Apr-11	20-Apr-11	IMR	1106909	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	105	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	105	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	105	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	105	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	5,570		µg/kg dry	105	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	482		µg/kg dry	105	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	105	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	105	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*91*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*107*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*107*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*102*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	92.9		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107163	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-29	10001111	Paint	12-Apr-11 10:35	16-Apr-11
SB27181-09				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	107	1	SW846 8082A	19-Apr-11	20-Apr-11	IMR	1106909	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	107	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	107	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	107	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	107	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	8,120		µg/kg dry	107	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	927		µg/kg dry	107	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	107	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	107	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*84*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*94*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*114*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	92.8		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107163	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-30	10001111	Paint	12-Apr-11 10:47	16-Apr-11
SB27181-10				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	96.9	1	SW846 8082A	19-Apr-11	20-Apr-11	IMR	1106909	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	96.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	96.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	96.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	96.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	96.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	96.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	96.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	96.9	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*87*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*21900*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*139*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*132*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	95.3		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107163	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-31	10001111	Paint	12-Apr-11 11:05	16-Apr-11
SB27181-11				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	93.1	1	SW846 8082A	19-Apr-11	20-Apr-11	IMR	1106909	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	93.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	93.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	93.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	93.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	93.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	93.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	93.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	93.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*10700*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*94*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	88.4		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107163	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-32	10001111	Paint	12-Apr-11 11:10	16-Apr-11
SB27181-12				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	99.1	1	SW846 8082A	19-Apr-11	20-Apr-11	IMR	1106909	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	99.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	99.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	99.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	99.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	4,360		µg/kg dry	99.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	99.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	99.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	99.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*114*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*92*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	95.5		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107163	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-33	10001111	Paint	12-Apr-11 11:25	16-Apr-11
SB27181-13				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	94.3	1	SW846 8082A	19-Apr-11	23-Apr-11	IMR	1106909	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	94.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	94.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	94.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	94.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	5,540		µg/kg dry	94.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	94.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	94.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	94.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*74*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*2480*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*117*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	97.7		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107163	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-34	10001111	Paint	12-Apr-11 11:30	16-Apr-11
SB27181-14				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	98.2	1	SW846 8082A	19-Apr-11	20-Apr-11	IMR	1106909	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	98.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	98.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	98.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	98.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	7,010		µg/kg dry	98.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	98.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	98.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	98.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*73*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*15400*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*71*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	97.8		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107163	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-35	10001111	Paint	12-Apr-11 11:40	16-Apr-11
SB27181-15				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	97.0	1	SW846 8082A	19-Apr-11	20-Apr-11	IMR	1106909	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	97.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	97.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	97.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	97.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,920		µg/kg dry	97.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	97.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	97.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	97.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*83*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*82*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*68*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	94.1		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107163	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-36	10001111	Paint	12-Apr-11 11:47	16-Apr-11
SB27181-16				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	99.9	1	SW846 8082A	19-Apr-11	20-Apr-11	IMR	1106909	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	99.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	99.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	99.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	99.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	4,850		µg/kg dry	99.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	438		µg/kg dry	99.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	99.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	99.9	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*84*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*109*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*111*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*116*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	96.2		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107163	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-37	10001111	Paint	12-Apr-11 12:13	16-Apr-11
SB27181-17				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	97.2	1	SW846 8082A	19-Apr-11	20-Apr-11	IMR	1106909	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	97.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	97.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	97.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	97.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	6,780		µg/kg dry	97.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	197		µg/kg dry	97.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	97.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	97.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*86*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*202*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*78*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*91*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	97.7		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107163	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-38	10001111	Paint	12-Apr-11 13:00	16-Apr-11
SB27181-18				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	83.3	1	SW846 8082A	19-Apr-11	20-Apr-11	IMR	1106909	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	83.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	83.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	83.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	83.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	4,890		µg/kg dry	83.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	357		µg/kg dry	83.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	83.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	83.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*81*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*633*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*94*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.9		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107163	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-39	10001111	Paint	12-Apr-11 13:20	16-Apr-11
SB27181-19				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	94.4	1	SW846 8082A	21-Apr-11	22-Apr-11	IMR	1107125	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	94.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	94.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	94.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	94.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	3,950		µg/kg dry	94.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	143		µg/kg dry	94.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	94.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	94.4	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*94*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*287*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*108*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*101*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.4		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107163	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-40	10001111	Paint	12-Apr-11 13:24	16-Apr-11
SB27181-20				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	100	1	SW846 8082A	21-Apr-11	22-Apr-11	IMR	1107125	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	100	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	100	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	100	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	100	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,050		µg/kg dry	100	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	1,080		µg/kg dry	100	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	100	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	100	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*99*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*210*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*132*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*117*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	97.7		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107163	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-41	10001111	Paint	12-Apr-11 14:57	16-Apr-11
SB27181-21				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	91.8	1	SW846 8082A	21-Apr-11	22-Apr-11	IMR	1107125	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	91.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	91.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	91.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	91.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,460		µg/kg dry	91.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	316		µg/kg dry	91.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	91.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	91.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*84*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*104*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*109*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	94.1		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107165	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-42	10001111	Paint	12-Apr-11 14:59	16-Apr-11
SB27181-22				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	99.1	1	SW846 8082A	21-Apr-11	22-Apr-11	IMR	1107125	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	99.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	99.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	99.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	99.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	4,000		µg/kg dry	99.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	303		µg/kg dry	99.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	99.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	99.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*94*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*108*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*135*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*93*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	95.1		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107165	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-43	10001111	Paint	12-Apr-11 15:00	16-Apr-11
SB27181-23				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	95.2	1	SW846 8082A	21-Apr-11	22-Apr-11	IMR	1107125	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	95.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	95.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	95.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	95.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	38,100	E	µg/kg dry	95.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	95.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	95.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	95.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*109*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*93*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*82*			*30-150 %*		"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	952	10	SW846 8082A	21-Apr-11	25-Apr-11	IMR	1107125	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	952	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	952	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	952	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	952	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	39,200		µg/kg dry	952	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	952	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	952	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	952	10	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	97.2		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107165	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-44	10001111	Paint	12-Apr-11 15:06	16-Apr-11
SB27181-24				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	99.3	1	SW846 8082A	21-Apr-11	22-Apr-11	IMR	1107125	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	99.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	99.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	99.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	99.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,380		µg/kg dry	99.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	132		µg/kg dry	99.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	99.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	99.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*96*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*137*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*93*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.2		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107165	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-45	10001111	Paint	12-Apr-11 15:15	16-Apr-11
SB27181-25				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	101	1	SW846 8082A	21-Apr-11	22-Apr-11	IMR	1107125	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	101	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	101	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	101	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	101	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	540		µg/kg dry	101	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	101	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	101	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	101	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*148*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*93*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	92.5		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107165	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-46	10001111	Paint	12-Apr-11 15:35	16-Apr-11
SB27181-26				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	94.0	1	SW846 8082A	21-Apr-11	22-Apr-11	IMR	1107125	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	94.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	94.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	94.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	94.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	868		µg/kg dry	94.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	94.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	94.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	94.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*84*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*889*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*91*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.8		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107165	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-47	10001111	Paint	12-Apr-11 15:45	16-Apr-11
SB27181-27				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	100	1	SW846 8082A	21-Apr-11	22-Apr-11	IMR	1107125	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	100	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	100	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	100	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	100	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	4,490		µg/kg dry	100	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	596		µg/kg dry	100	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	100	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	100	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*97*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*770*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*113*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	95.4		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107165	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-48	10001111	Paint	12-Apr-11 16:20	16-Apr-11
SB27181-28				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	95.8	1	SW846 8082A	21-Apr-11	22-Apr-11	IMR	1107125	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	95.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	95.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	95.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	95.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,910		µg/kg dry	95.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	413		µg/kg dry	95.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	95.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	95.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*84*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*1390*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*106*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.2		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107165	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-49	10001111	Paint	12-Apr-11 16:40	16-Apr-11
SB27181-29				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	83.2	1	SW846 8082A	21-Apr-11	22-Apr-11	IMR	1107125	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	83.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	83.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	83.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	83.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	3,810		µg/kg dry	83.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	469		µg/kg dry	83.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	83.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	83.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*74*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*4410*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*107*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*121*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.0		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107165	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-50	10001111	Paint	12-Apr-11 17:02	16-Apr-11
SB27181-30				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	73.5	1	SW846 8082A	21-Apr-11	22-Apr-11	IMR	1107125	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	73.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	73.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	73.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	73.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,310		µg/kg dry	73.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	669		µg/kg dry	73.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	73.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	73.5	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*103*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*16100*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*106*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*126*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.7		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107165	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-51	10001111	Paint	12-Apr-11 14:58	16-Apr-11
SB27181-31				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	88.4	1	SW846 8082A	21-Apr-11	22-Apr-11	IMR	1107125	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	88.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	88.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	88.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	88.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	14,300		µg/kg dry	88.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	1,020		µg/kg dry	88.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	88.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	88.4	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*83*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*124*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*103*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*121*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	96.3		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107165	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-52	10001111	Paint	12-Apr-11 15:05	16-Apr-11
SB27181-32				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	85.7	1	SW846 8082A	21-Apr-11	23-Apr-11	IMR	1107125	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	85.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	85.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	85.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	85.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	7,720		µg/kg dry	85.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	559		µg/kg dry	85.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	85.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	85.7	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*102*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*13500*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*124*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*89*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	96.7		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107165	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-53	10001111	Paint	12-Apr-11 15:20	16-Apr-11
SB27181-33				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	95.2	1	SW846 8082A	21-Apr-11	23-Apr-11	IMR	1107125	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	95.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	95.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	95.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	95.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	9,910		µg/kg dry	95.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	95.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	95.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	95.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*76*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*123*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*98*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*112*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.0		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107165	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-54	10001111	Paint	12-Apr-11 15:50	16-Apr-11
SB27181-34				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	88.9	1	SW846 8082A	21-Apr-11	23-Apr-11	IMR	1107125	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	88.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	88.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	88.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	88.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	14,200		µg/kg dry	88.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	750		µg/kg dry	88.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	88.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	88.9	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*88*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*18200*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*111*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*140*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.1		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107165	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-55	10001111	Paint	12-Apr-11 16:10	16-Apr-11
SB27181-35				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	85.0	1	SW846 8082A	21-Apr-11	23-Apr-11	IMR	1107125	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	85.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	85.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	85.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	85.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	12,100		µg/kg dry	85.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	500		µg/kg dry	85.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	85.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	85.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*86*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*87*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*94*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	97.8		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107165	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-56	10001111	Paint	12-Apr-11 16:15	16-Apr-11
SB27181-36				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	98.8	1	SW846 8082A	21-Apr-11	23-Apr-11	IMR	1107125	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	98.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	98.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	98.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	98.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	481,000	E	µg/kg dry	98.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	98.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	98.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	98.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*88*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*86*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*101*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*74*			*30-150 %*		"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	9880	100	SW846 8082A	21-Apr-11	25-Apr-11	IMR	1107125	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	9880	100	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	9880	100	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	9880	100	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	9880	100	"	"	"	"	"	X
11097-69-1	Aroclor-1254	726,000		µg/kg dry	9880	100	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	9880	100	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	9880	100	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	9880	100	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	94.6		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107165	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-57	10001111	Paint	12-Apr-11 16:21	16-Apr-11
SB27181-37				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	101	1	SW846 8082A	21-Apr-11	23-Apr-11	IMR	1107125	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	101	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	101	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	101	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	101	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	727,000	E	µg/kg dry	101	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	101	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	101	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	101	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*97*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*121*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*82*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*73*			*30-150 %*		"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	20200	200	SW846 8082A	21-Apr-11	25-Apr-11	IMR	1107125	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	20200	200	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	20200	200	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	20200	200	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	20200	200	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,420,000		µg/kg dry	20200	200	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	20200	200	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	20200	200	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	20200	200	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	95.2		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107165	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-58	10001111	Paint	12-Apr-11 16:31	16-Apr-11
SB27181-38				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	79.3	1	SW846 8082A	21-Apr-11	23-Apr-11	IMR	1107125	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	79.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	79.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	79.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	79.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	11,600		µg/kg dry	79.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	655		µg/kg dry	79.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	79.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	79.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*77*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*108*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*87*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*98*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	95.6		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107165	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-59	10001111	Concrete	12-Apr-11 17:07	16-Apr-11
SB27181-39				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	54.7	1	SW846 8082A	20-Apr-11	21-Apr-11	IMR	1107089	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	54.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	54.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	54.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	54.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	6,780		µg/kg dry	54.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	54.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	54.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	54.7	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*94*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*122*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*114*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*131*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.5		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107165	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-60	10001111	Concrete	12-Apr-11 17:17	16-Apr-11
SB27181-40				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	66.0	1	SW846 8082A	20-Apr-11	21-Apr-11	IMR	1107089	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	66.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	66.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	66.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	66.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	12,900		µg/kg dry	66.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	66.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	66.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	66.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*97*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*116*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*122*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*113*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	96.7		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107165	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-61	10001111	Paint	12-Apr-11 17:25	16-Apr-11
SB27181-41				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	118	1	SW846 8082A	21-Apr-11	22-Apr-11	IMR	1107126	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	118	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	118	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	118	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	118	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	7,750		µg/kg dry	118	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	319		µg/kg dry	118	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	118	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	118	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*101*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*138*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*116*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	83.2		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107167	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-62	10001111	Paint	12-Apr-11 17:27	16-Apr-11
SB27181-42				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	98.9	1	SW846 8082A	21-Apr-11	22-Apr-11	IMR	1107126	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	98.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	98.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	98.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	98.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	9,730		µg/kg dry	98.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	252		µg/kg dry	98.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	98.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	98.9	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*86*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*113*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*126*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*138*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	90.8		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107167	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-63	10001111	Paint	12-Apr-11 17:40	16-Apr-11
SB27181-43				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	142	1	SW846 8082A	21-Apr-11	22-Apr-11	IMR	1107126	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	142	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	142	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	142	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	142	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	142	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	142	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	142	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	142	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*138*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*101*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	67.3		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107167	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-64	10001111	Paint	12-Apr-11 17:50	16-Apr-11
SB27181-44				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	133	1	SW846 8082A	21-Apr-11	22-Apr-11	IMR	1107126	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	133	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	133	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	133	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	133	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	18,300		µg/kg dry	133	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	133	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	133	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	133	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*92*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*97*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	73.6		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107167	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-65	10001111	Paint	12-Apr-11 18:05	16-Apr-11
SB27181-45				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	95.6	1	SW846 8082A	21-Apr-11	22-Apr-11	IMR	1107126	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	95.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	95.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	95.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	95.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	62,100	E	µg/kg dry	95.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	95.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	95.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	95.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*103*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*101*			*30-150 %*		"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	956	10	SW846 8082A	21-Apr-11	25-Apr-11	IMR	1107126	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	956	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	956	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	956	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	956	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	66,400		µg/kg dry	956	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	956	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	956	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	956	10	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	100		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107167	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-66	10001111	Paint	12-Apr-11 18:13	16-Apr-11
SB27181-46				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	93.1	1	SW846 8082A	21-Apr-11	22-Apr-11	IMR	1107126	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	93.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	93.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	93.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	93.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	13,700		µg/kg dry	93.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	673		µg/kg dry	93.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	93.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	93.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*99*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*423*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*121*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	94.6		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107167	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-67	10001111	Paint	12-Apr-11 18:16	16-Apr-11
SB27181-47				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	95.0	1	SW846 8082A	21-Apr-11	22-Apr-11	IMR	1107126	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	95.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	95.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	95.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	95.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	9,300		µg/kg dry	95.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	585		µg/kg dry	95.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	95.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	95.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*106*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*139*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*121*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	97.7		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107167	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-68	10001111	Paint	12-Apr-11 18:26	16-Apr-11
SB27181-48				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	99.6	1	SW846 8082A	21-Apr-11	22-Apr-11	IMR	1107126	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	99.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	99.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	99.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	99.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	10,000		µg/kg dry	99.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	99.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	99.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	99.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*99*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*2000*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*149*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*133*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	95.5		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107167	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-69	10001111	Paint	12-Apr-11 18:35	16-Apr-11
SB27181-49				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	83.0	1	SW846 8082A	21-Apr-11	22-Apr-11	IMR	1107126	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	83.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	83.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	83.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	83.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	10,800		µg/kg dry	83.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	83.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	83.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	83.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*20900*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*145*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*102*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	97.8		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107167	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-70	10001111	Paint	12-Apr-11 18:45	16-Apr-11
SB27181-50				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	104	1	SW846 8082A	21-Apr-11	22-Apr-11	IMR	1107126	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	104	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	104	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	104	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	104	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	12,700		µg/kg dry	104	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	863		µg/kg dry	104	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	104	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	104	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*86*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*20800*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*116*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*107*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	95.0		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107167	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-71	10001111	Paint	12-Apr-11 17:20	16-Apr-11
SB27181-51				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	99.1	1	SW846 8082A	21-Apr-11	22-Apr-11	IMR	1107126	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	99.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	99.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	99.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	99.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,320		µg/kg dry	99.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	99.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	99.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	99.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*77*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*3640*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*91*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*98*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.8		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107167	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-72	10001111	Paint	12-Apr-11 17:23	16-Apr-11
SB27181-52				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	103	1	SW846 8082A	21-Apr-11	22-Apr-11	IMR	1107126	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	103	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	103	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	103	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	103	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,360		µg/kg dry	103	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	672		µg/kg dry	103	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	103	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	103	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*1870*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*104*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	94.4		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107167	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-73	10001111	Paint	12-Apr-11 19:26	16-Apr-11
SB27181-53				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	91.6	1	SW846 8082A	21-Apr-11	22-Apr-11	IMR	1107126	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	91.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	91.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	91.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	91.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	91.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	91.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	91.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	91.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*92*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*117*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*117*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.7		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107167	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Dup-01	10001111	Paint	12-Apr-11 11:40	16-Apr-11
SB27181-54				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	102	1	SW846 8082A	21-Apr-11	22-Apr-11	IMR	1107126	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	102	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	102	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	102	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	102	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	3,300		µg/kg dry	102	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	393		µg/kg dry	102	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	102	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	102	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*165*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*82*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	95.9		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107167	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Dup-02	10001111	Paint	12-Apr-11 14:58	16-Apr-11
SB27181-55				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	95.7	1	SW846 8082A	21-Apr-11	22-Apr-11	IMR	1107126	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	95.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	95.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	95.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	95.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	17,300		µg/kg dry	95.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	941		µg/kg dry	95.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	95.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	95.7	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*86*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*84*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*98*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*108*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	94.7		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107167	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Dup-03	10001111	Paint	12-Apr-11 18:35	16-Apr-11
SB27181-56				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	101	1	SW846 8082A	21-Apr-11	22-Apr-11	IMR	1107126	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	101	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	101	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	101	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	101	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	10,300		µg/kg dry	101	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	101	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	101	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	101	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*69*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*24500*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*147*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*138*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.5		%		1	SM2540 G Mod.	21-Apr-11	21-Apr-11	VK	1107167	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1106909 - SW846 3540C										
Blank (1106909-BLK1)					Prepared: 19-Apr-11 Analyzed: 20-Apr-11					
Aroclor-1016	BRL		µg/kg wet	20.0						
Aroclor-1016 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1221	BRL		µg/kg wet	20.0						
Aroclor-1221 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1232	BRL		µg/kg wet	20.0						
Aroclor-1232 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1242	BRL		µg/kg wet	20.0						
Aroclor-1242 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1248	BRL		µg/kg wet	20.0						
Aroclor-1248 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1254	BRL		µg/kg wet	20.0						
Aroclor-1254 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1260	BRL		µg/kg wet	20.0						
Aroclor-1260 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1262	BRL		µg/kg wet	20.0						
Aroclor-1262 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1268	BRL		µg/kg wet	20.0						
Aroclor-1268 [2C]	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.1*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.9*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.4*		µg/kg wet		*20.0*		*87*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.9*		µg/kg wet		*20.0*		*84*	*30-150*		
LCS (1106909-BS1)					Prepared: 19-Apr-11 Analyzed: 20-Apr-11					
Aroclor-1016	244		µg/kg wet	20.0	250		98	50-140		
Aroclor-1016 [2C]	252		µg/kg wet	20.0	250		101	50-140		
Aroclor-1260	215		µg/kg wet	20.0	250		86	50-140		
Aroclor-1260 [2C]	214		µg/kg wet	20.0	250		86	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.3*		µg/kg wet		*20.0*		*107*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*22.1*		µg/kg wet		*20.0*		*111*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.1*		µg/kg wet		*20.0*		*111*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.9*		µg/kg wet		*20.0*		*100*	*30-150*		
LCS Dup (1106909-BSD1)					Prepared: 19-Apr-11 Analyzed: 20-Apr-11					
Aroclor-1016	260		µg/kg wet	20.0	250		104	50-140	6	30
Aroclor-1016 [2C]	253		µg/kg wet	20.0	250		101	50-140	0.4	30
Aroclor-1260	231		µg/kg wet	20.0	250		92	50-140	7	30
Aroclor-1260 [2C]	207		µg/kg wet	20.0	250		83	50-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.4*		µg/kg wet		*20.0*		*112*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.3*		µg/kg wet		*20.0*		*102*	*30-150*		
Duplicate (1106909-DUP1)			**Source: SB27181-02**		Prepared: 19-Apr-11 Analyzed: 20-Apr-11					
Aroclor-1016	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1016 [2C]	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1221	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1221 [2C]	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1232	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1232 [2C]	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1242	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1242 [2C]	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1248	BRL		µg/kg dry	98.6		BRL				40

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1106909 - SW846 3540C										
Duplicate (1106909-DUP1)			**Source: SB27181-02**		Prepared: 19-Apr-11 Analyzed: 20-Apr-11					
Aroclor-1248 [2C]	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1254	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1254 [2C]	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1260	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1260 [2C]	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1262	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1262 [2C]	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1268	BRL		µg/kg dry	98.6		BRL				40
Aroclor-1268 [2C]	BRL		µg/kg dry	98.6		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*67.6*		µg/kg dry		*98.6*		*68*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*84.3*		µg/kg dry		*98.6*		*86*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*112*		µg/kg dry		*98.6*		*114*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*119*		µg/kg dry		*98.6*		*121*	*30-150*		
Matrix Spike (1106909-MS1)			**Source: SB27181-14**		Prepared: 19-Apr-11 Analyzed: 21-Apr-11					
Aroclor-1016	2480	QM3	µg/kg dry	100	1260	BRL	197	40-135		
Aroclor-1016 [2C]	5240	QM3	µg/kg dry	100	1260	BRL	417	40-135		
Aroclor-1260	1150		µg/kg dry	100	1260	BRL	92	40-135		
Aroclor-1260 [2C]	1270		µg/kg dry	100	1260	BRL	101	40-135		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*76.8*		µg/kg dry		*100*		*77*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20100*	S02	µg/kg dry		*100*		*20000*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*124*		µg/kg dry		*100*		*124*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*127*		µg/kg dry		*100*		*127*	*30-150*		
Matrix Spike Dup (1106909-MSD1)			**Source: SB27181-14**		Prepared: 19-Apr-11 Analyzed: 21-Apr-11					
Aroclor-1016	2800	QM3	µg/kg dry	94.7	1180	BRL	237	40-135	18	30
Aroclor-1016 [2C]	4270	QM3	µg/kg dry	94.7	1180	BRL	361	40-135	15	30
Aroclor-1260	1190		µg/kg dry	94.7	1180	BRL	101	40-135	9	30
Aroclor-1260 [2C]	1340		µg/kg dry	94.7	1180	BRL	113	40-135	12	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*78.1*		µg/kg dry		*94.7*		*82*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18100*	S02	µg/kg dry		*94.7*		*19100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*122*		µg/kg dry		*94.7*		*129*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*85.7*		µg/kg dry		*94.7*		*90*	*30-150*		
Batch 1107089 - SW846 3540C										
Blank (1107089-BLK1)					Prepared: 20-Apr-11 Analyzed: 21-Apr-11					
Aroclor-1016	BRL		µg/kg wet	20.0						
Aroclor-1016 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1221	BRL		µg/kg wet	20.0						
Aroclor-1221 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1232	BRL		µg/kg wet	20.0						
Aroclor-1232 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1242	BRL		µg/kg wet	20.0						
Aroclor-1242 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1248	BRL		µg/kg wet	20.0						
Aroclor-1248 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1254	BRL		µg/kg wet	20.0						
Aroclor-1254 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1260	BRL		µg/kg wet	20.0						
Aroclor-1260 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1262	BRL		µg/kg wet	20.0						
Aroclor-1262 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1268	BRL		µg/kg wet	20.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1107089 - SW846 3540C										
Blank (1107089-BLK1)					Prepared: 20-Apr-11 Analyzed: 21-Apr-11					
Aroclor-1268 [2C]	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.8*		µg/kg wet		*20.0*		*99*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*22.7*		µg/kg wet		*20.0*		*114*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.8*		µg/kg wet		*20.0*		*114*	*30-150*		
LCS (1107089-BS1)					Prepared: 20-Apr-11 Analyzed: 21-Apr-11					
Aroclor-1016	240		µg/kg wet	20.0	250		96	50-140		
Aroclor-1016 [2C]	244		µg/kg wet	20.0	250		98	50-140		
Aroclor-1260	232		µg/kg wet	20.0	250		93	50-140		
Aroclor-1260 [2C]	233		µg/kg wet	20.0	250		93	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.8*		µg/kg wet		*20.0*		*94*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.2*		µg/kg wet		*20.0*		*101*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.6*		µg/kg wet		*20.0*		*103*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.6*		µg/kg wet		*20.0*		*113*	*30-150*		
LCS Dup (1107089-BSD1)					Prepared: 20-Apr-11 Analyzed: 21-Apr-11					
Aroclor-1016	237		µg/kg wet	20.0	250		95	50-140	1	30
Aroclor-1016 [2C]	244		µg/kg wet	20.0	250		98	50-140	0.04	30
Aroclor-1260	218		µg/kg wet	20.0	250		87	50-140	6	30
Aroclor-1260 [2C]	228		µg/kg wet	20.0	250		91	50-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.9*		µg/kg wet		*20.0*		*94*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.1*		µg/kg wet		*20.0*		*101*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Duplicate (1107089-DUP1)			**Source: SB27181-39**		Prepared: 20-Apr-11 Analyzed: 21-Apr-11					
Aroclor-1016	BRL		µg/kg dry	60.1		BRL				40
Aroclor-1016 [2C]	BRL		µg/kg dry	60.1		BRL				40
Aroclor-1221	BRL		µg/kg dry	60.1		BRL				40
Aroclor-1221 [2C]	BRL		µg/kg dry	60.1		BRL				40
Aroclor-1232	BRL		µg/kg dry	60.1		BRL				40
Aroclor-1232 [2C]	BRL		µg/kg dry	60.1		BRL				40
Aroclor-1242	BRL		µg/kg dry	60.1		BRL				40
Aroclor-1242 [2C]	BRL		µg/kg dry	60.1		BRL				40
Aroclor-1248	BRL		µg/kg dry	60.1		BRL				40
Aroclor-1248 [2C]	BRL		µg/kg dry	60.1		BRL				40
Aroclor-1254	5150		µg/kg dry	60.1		6780			27	40
Aroclor-1254 [2C]	4950		µg/kg dry	60.1		6560			28	40
Aroclor-1260	BRL		µg/kg dry	60.1		BRL				40
Aroclor-1260 [2C]	BRL		µg/kg dry	60.1		BRL				40
Aroclor-1262	BRL		µg/kg dry	60.1		BRL				40
Aroclor-1262 [2C]	BRL		µg/kg dry	60.1		BRL				40
Aroclor-1268	BRL		µg/kg dry	60.1		BRL				40
Aroclor-1268 [2C]	BRL		µg/kg dry	60.1		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*45.4*		µg/kg dry		*60.1*		*76*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*56.5*		µg/kg dry		*60.1*		*94*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*50.2*		µg/kg dry		*60.1*		*83*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*53.8*		µg/kg dry		*60.1*		*90*	*30-150*		
Matrix Spike (1107089-MS1)			**Source: SB27181-40**		Prepared: 20-Apr-11 Analyzed: 21-Apr-11					
Aroclor-1016	743		µg/kg dry	63.4	793	BRL	94	40-135		
Aroclor-1016 [2C]	789		µg/kg dry	63.4	793	BRL	100	40-135		
Aroclor-1260	1370	QM1	µg/kg dry	63.4	793	BRL	172	40-135		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1107089 - SW846 3540C										
Matrix Spike (1107089-MS1)			**Source: SB27181-40**		Prepared: 20-Apr-11 Analyzed: 21-Apr-11					
Aroclor-1260 [2C]	1320	QM1	µg/kg dry	63.4	793	BRL	167	40-135		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*58.0*		µg/kg dry		*63.4*		*92*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*60.6*		µg/kg dry		*63.4*		*96*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*69.7*		µg/kg dry		*63.4*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*67.5*		µg/kg dry		*63.4*		*107*	*30-150*		
Matrix Spike Dup (1107089-MSD1)			**Source: SB27181-40**		Prepared: 20-Apr-11 Analyzed: 21-Apr-11					
Aroclor-1016	583		µg/kg dry	58.9	736	BRL	79	40-135	17	30
Aroclor-1016 [2C]	634		µg/kg dry	58.9	736	BRL	86	40-135	14	30
Aroclor-1260	942		µg/kg dry	58.9	736	BRL	128	40-135	29	30
Aroclor-1260 [2C]	1000	QM1	µg/kg dry	58.9	736	BRL	136	40-135	20	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*43.6*		µg/kg dry		*58.9*		*74*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*48.3*		µg/kg dry		*58.9*		*82*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*49.2*		µg/kg dry		*58.9*		*84*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*53.0*		µg/kg dry		*58.9*		*90*	*30-150*		
Batch 1107125 - SW846 3540C										
Blank (1107125-BLK1)					Prepared: 21-Apr-11 Analyzed: 22-Apr-11					
Aroclor-1016	BRL		µg/kg wet	20.0						
Aroclor-1016 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1221	BRL		µg/kg wet	20.0						
Aroclor-1221 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1232	BRL		µg/kg wet	20.0						
Aroclor-1232 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1242	BRL		µg/kg wet	20.0						
Aroclor-1242 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1248	BRL		µg/kg wet	20.0						
Aroclor-1248 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1254	BRL		µg/kg wet	20.0						
Aroclor-1254 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1260	BRL		µg/kg wet	20.0						
Aroclor-1260 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1262	BRL		µg/kg wet	20.0						
Aroclor-1262 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1268	BRL		µg/kg wet	20.0						
Aroclor-1268 [2C]	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.2*		µg/kg wet		*20.0*		*86*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.5*		µg/kg wet		*20.0*		*103*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.2*		µg/kg wet		*20.0*		*96*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.2*		µg/kg wet		*20.0*		*106*	*30-150*		
LCS (1107125-BS1)					Prepared: 21-Apr-11 Analyzed: 22-Apr-11					
Aroclor-1016	235		µg/kg wet	20.0	250		94	50-140		
Aroclor-1016 [2C]	254		µg/kg wet	20.0	250		102	50-140		
Aroclor-1260	230		µg/kg wet	20.0	250		92	50-140		
Aroclor-1260 [2C]	224		µg/kg wet	20.0	250		89	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.5*		µg/kg wet		*20.0*		*88*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.2*		µg/kg wet		*20.0*		*91*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.9*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
LCS Dup (1107125-BSD1)					Prepared: 21-Apr-11 Analyzed: 22-Apr-11					
Aroclor-1016	222		µg/kg wet	20.0	250		89	50-140	6	30
Aroclor-1016 [2C]	236		µg/kg wet	20.0	250		94	50-140	7	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1107125 - SW846 3540C										
LCS Dup (1107125-BSD1)					Prepared: 21-Apr-11 Analyzed: 22-Apr-11					
Aroclor-1260	203		µg/kg wet	20.0	250		81	50-140	12	30
Aroclor-1260 [2C]	221		µg/kg wet	20.0	250		88	50-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.2*		µg/kg wet		*20.0*		*86*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.3*		µg/kg wet		*20.0*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.1*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.2*		µg/kg wet		*20.0*		*96*	*30-150*		
Duplicate (1107125-DUP1)			**Source: SB27181-38**		Prepared: 21-Apr-11 Analyzed: 22-Apr-11					
Aroclor-1016	BRL		µg/kg dry	79.6		BRL				40
Aroclor-1016 [2C]	BRL		µg/kg dry	79.6		BRL				40
Aroclor-1221	BRL		µg/kg dry	79.6		BRL				40
Aroclor-1221 [2C]	BRL		µg/kg dry	79.6		BRL				40
Aroclor-1232	BRL		µg/kg dry	79.6		BRL				40
Aroclor-1232 [2C]	BRL		µg/kg dry	79.6		BRL				40
Aroclor-1242	BRL		µg/kg dry	79.6		BRL				40
Aroclor-1242 [2C]	BRL		µg/kg dry	79.6		BRL				40
Aroclor-1248	BRL		µg/kg dry	79.6		BRL				40
Aroclor-1248 [2C]	BRL		µg/kg dry	79.6		BRL				40
Aroclor-1254	11200		µg/kg dry	79.6		11400			2	40
Aroclor-1254 [2C]	11700		µg/kg dry	79.6		11600			2	40
Aroclor-1260	722		µg/kg dry	79.6		655			10	40
Aroclor-1260 [2C]	837		µg/kg dry	79.6		596			34	40
Aroclor-1262	BRL		µg/kg dry	79.6		BRL				40
Aroclor-1262 [2C]	BRL		µg/kg dry	79.6		BRL				40
Aroclor-1268	BRL		µg/kg dry	79.6		BRL				40
Aroclor-1268 [2C]	BRL		µg/kg dry	79.6		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*61.7*		µg/kg dry		*79.6*		*77*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*111*		µg/kg dry		*79.6*		*139*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*71.7*		µg/kg dry		*79.6*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*105*		µg/kg dry		*79.6*		*132*	*30-150*		
Matrix Spike (1107125-MS1)			**Source: SB27181-38**		Prepared: 21-Apr-11 Analyzed: 22-Apr-11					
Aroclor-1016	896		µg/kg dry	73.6	920	BRL	97	40-135		
Aroclor-1016 [2C]	1020		µg/kg dry	73.6	920	BRL	111	40-135		
Aroclor-1260	1390		µg/kg dry	73.6	920	655	79	40-135		
Aroclor-1260 [2C]	1310		µg/kg dry	73.6	920	596	78	40-135		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*77.3*		µg/kg dry		*73.6*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*73.2*		µg/kg dry		*73.6*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*88.7*		µg/kg dry		*73.6*		*121*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*86.1*		µg/kg dry		*73.6*		*117*	*30-150*		
Matrix Spike Dup (1107125-MSD1)			**Source: SB27181-38**		Prepared: 21-Apr-11 Analyzed: 22-Apr-11					
Aroclor-1016	968		µg/kg dry	75.5	944	BRL	103	40-135	5	30
Aroclor-1016 [2C]	1020		µg/kg dry	75.5	944	BRL	108	40-135	3	30
Aroclor-1260	1340		µg/kg dry	75.5	944	655	72	40-135	10	30
Aroclor-1260 [2C]	1430		µg/kg dry	75.5	944	596	88	40-135	13	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*40.0*		µg/kg dry		*75.5*		*53*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*40.0*		µg/kg dry		*75.5*		*53*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*48.0*		µg/kg dry		*75.5*		*64*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*63.4*		µg/kg dry		*75.5*		*84*	*30-150*		
Batch 1107126 - SW846 3540C										
Blank (1107126-BLK1)					Prepared: 21-Apr-11 Analyzed: 22-Apr-11					
Aroclor-1016	BRL		µg/kg wet	20.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1107126 - SW846 3540C										
Blank (1107126-BLK1)					Prepared: 21-Apr-11 Analyzed: 22-Apr-11					
Aroclor-1016 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1221	BRL		µg/kg wet	20.0						
Aroclor-1221 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1232	BRL		µg/kg wet	20.0						
Aroclor-1232 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1242	BRL		µg/kg wet	20.0						
Aroclor-1242 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1248	BRL		µg/kg wet	20.0						
Aroclor-1248 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1254	BRL		µg/kg wet	20.0						
Aroclor-1254 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1260	BRL		µg/kg wet	20.0						
Aroclor-1260 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1262	BRL		µg/kg wet	20.0						
Aroclor-1262 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1268	BRL		µg/kg wet	20.0						
Aroclor-1268 [2C]	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.4*		µg/kg wet		*20.0*		*87*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.2*		µg/kg wet		*20.0*		*101*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.1*		µg/kg wet		*20.0*		*96*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.5*		µg/kg wet		*20.0*		*103*	*30-150*		
LCS (1107126-BS1)					Prepared: 21-Apr-11 Analyzed: 22-Apr-11					
Aroclor-1016	230		µg/kg wet	20.0	250		92	50-140		
Aroclor-1016 [2C]	247		µg/kg wet	20.0	250		99	50-140		
Aroclor-1260	207		µg/kg wet	20.0	250		83	50-140		
Aroclor-1260 [2C]	218		µg/kg wet	20.0	250		87	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.8*		µg/kg wet		*20.0*		*89*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.8*		µg/kg wet		*20.0*		*94*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.3*		µg/kg wet		*20.0*		*96*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.2*		µg/kg wet		*20.0*		*106*	*30-150*		
LCS Dup (1107126-BSD1)					Prepared: 21-Apr-11 Analyzed: 22-Apr-11					
Aroclor-1016	241		µg/kg wet	20.0	250		96	50-140	5	30
Aroclor-1016 [2C]	253		µg/kg wet	20.0	250		101	50-140	3	30
Aroclor-1260	216		µg/kg wet	20.0	250		86	50-140	4	30
Aroclor-1260 [2C]	231		µg/kg wet	20.0	250		92	50-140	6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.5*		µg/kg wet		*20.0*		*92*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.1*		µg/kg wet		*20.0*		*96*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.9*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.7*		µg/kg wet		*20.0*		*114*	*30-150*		
Duplicate (1107126-DUP1)			**Source: SB27181-54**		Prepared: 21-Apr-11 Analyzed: 22-Apr-11					
Aroclor-1016	BRL		µg/kg dry	103		BRL				40
Aroclor-1016 [2C]	BRL		µg/kg dry	103		BRL				40
Aroclor-1221	BRL		µg/kg dry	103		BRL				40
Aroclor-1221 [2C]	BRL		µg/kg dry	103		BRL				40
Aroclor-1232	BRL		µg/kg dry	103		BRL				40
Aroclor-1232 [2C]	BRL		µg/kg dry	103		BRL				40
Aroclor-1242	BRL		µg/kg dry	103		BRL				40
Aroclor-1242 [2C]	BRL		µg/kg dry	103		BRL				40
Aroclor-1248	BRL		µg/kg dry	103		BRL				40
Aroclor-1248 [2C]	BRL		µg/kg dry	103		BRL				40

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1107126 - SW846 3540C										
Duplicate (1107126-DUP1)			**Source: SB27181-54**		Prepared: 21-Apr-11 Analyzed: 22-Apr-11					
Aroclor-1254	3120		µg/kg dry	103		3300			6	40
Aroclor-1254 [2C]	3310		µg/kg dry	103		3080			7	40
Aroclor-1260	337		µg/kg dry	103		393			16	40
Aroclor-1260 [2C]	291		µg/kg dry	103		345			17	40
Aroclor-1262	BRL		µg/kg dry	103		BRL				40
Aroclor-1262 [2C]	BRL		µg/kg dry	103		BRL				40
Aroclor-1268	BRL		µg/kg dry	103		BRL				40
Aroclor-1268 [2C]	BRL		µg/kg dry	103		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*92.6*		µg/kg dry		*103*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*103*		µg/kg dry		*103*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*108*		µg/kg dry		*103*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*90.5*		µg/kg dry		*103*		*88*	*30-150*		
Matrix Spike (1107126-MS1)			**Source: SB27181-54**		Prepared: 21-Apr-11 Analyzed: 22-Apr-11					
Aroclor-1016	1320		µg/kg dry	104	1300	BRL	102	40-135		
Aroclor-1016 [2C]	1320		µg/kg dry	104	1300	BRL	102	40-135		
Aroclor-1260	1450		µg/kg dry	104	1300	393	81	40-135		
Aroclor-1260 [2C]	1400		µg/kg dry	104	1300	345	81	40-135		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*108*		µg/kg dry		*104*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*120*		µg/kg dry		*104*		*116*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*128*		µg/kg dry		*104*		*123*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*123*		µg/kg dry		*104*		*119*	*30-150*		
Matrix Spike Dup (1107126-MSD1)			**Source: SB27181-54**		Prepared: 21-Apr-11 Analyzed: 22-Apr-11					
Aroclor-1016	1350		µg/kg dry	103	1290	BRL	105	40-135	3	30
Aroclor-1016 [2C]	1270		µg/kg dry	103	1290	BRL	99	40-135	3	30
Aroclor-1260	1360		µg/kg dry	103	1290	393	75	40-135	8	30
Aroclor-1260 [2C]	1390		µg/kg dry	103	1290	345	81	40-135	0.02	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*108*		µg/kg dry		*103*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*111*		µg/kg dry		*103*		*107*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*136*		µg/kg dry		*103*		*132*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*88.6*		µg/kg dry		*103*		*86*	*30-150*		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1107163 - General Preparation										
Duplicate (1107163-DUP1)			**Source: SB27181-01**			Prepared & Analyzed: 21-Apr-11				
% Solids	96.5		%			96.9			0.4	20
Batch 1107165 - General Preparation										
Duplicate (1107165-DUP1)			**Source: SB27181-21**			Prepared & Analyzed: 21-Apr-11				
% Solids	94.6		%			94.1			0.5	20
Batch 1107167 - General Preparation										
Duplicate (1107167-DUP1)			**Source: SB27181-41**			Prepared & Analyzed: 21-Apr-11				
% Solids	84.1		%			83.2			1	20

Notes and Definitions

E	The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
QM1	The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
QM3	Multiple analyses indicate the percent recovery exceeds the Quality Control acceptance criteria due to a matrix effect.
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Kimberly Wisk

SB 27181e

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 6

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5-day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Jedd Steinglass
Credere Associates LLC
776 Main Street
Westbrook, ME 04092
Telephone #: 207-756-2319
Project Mgr. Jedd Steinglass

Invoice To: Same
P.O. No.: _____ RQN: _____

Project No.: 11001111
Site Name: Sullivan School
Location: Berwick State: ME
Sampler(s): JSS/JBO

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10= ICE 11= _____

List preservative code below: 10

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Paint X2= Concrete X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass PCB 8082 3540 EXT	# of Clear Glass	# of Plastic	Analyses: PCB 8082 3540 EXT	
27181-01	BM-21	4/12/11	9:16	G	X1		1			X	
-02	BM-22		9:21				1			X	
-03	BM-23		9:30				1			X	
-04	BM-24		9:39				1			X	
-05	BM-25		9:50				1			X	
-06	BM-26		9:55				1			X	
-07	BM-27		10:07				1			X	
-08	BM-28		10:15				1			X	
-09	BM-29		10:35				1			X	
-10	BM-30		10:47				1			X	

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☐ No☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☒ Other TSCA

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
Fedex	FEDEX	4/15/11	13:00	
		4.16.11	11:55 AM	3.6°C

☒ EDD Format PDF / ME EGAD
☒ E-mail to jsteinglass@credereLLC.com

☐ Ambient ☑ Iced ☐ Refrigerated ☐ Fridge temp ___ °C ☐ Freezer temp ___ °C

27181

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 6

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5-day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Jedd Steinglass
Credere Associates LLC
776 Main Street
Westbrook, ME 04092
Telephone #: 207-756-2319
Project Mgr. Jedd Steinglass

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 11001111
Site Name: Sullivan School
Location: Berwick State: ME
Sampler(s): JSS/JBO

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10= ICE 11= _____

List preservative code below: 10

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Paint X2= Concrete X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass / Plastic	# of Clear Glass	# of Plastic	Analyses: PCB 8082 3540 EXT	QA/QC Reporting Notes
27181-11	BM-31	4/12/11	11:05	G	X1		1			X	
-12	BM-32		11:10				1			X	
-13	BM-33		11:25				1			X	
-14	BM-34		11:30				1			X	
-15	BM-35		11:40				1			X	
-16	BM-36		11:47				1			X	
-17	BM-37		12:13				1			X	
-18	BM-38		1:00				1			X	
-19	BM-39		1:20				1			X	
-20	BM-40		1:24				1			X	

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☐ No☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☒ Other TSCA

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	FEDEX	4/15/11	13:00	
Fed ex	[signature]	4/16/11	3.6°C	

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☒ E-mail to jsteinglass@credereLLC.com

☐ Ambient ☑ Iced ☐ Refrigerated ☐ Fridge temp ___°C ☐ Freezer temp ___°C

SB 27181

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 6

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5-day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Jedd Steinglass
Credere Associates LLC
776 Main Street
Westbrook, ME 04092
Telephone #: 207-756-2319
Project Mgr. Jedd Steinglass

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 11001111
Site Name: Sullivan School
Location: Berwick State: ME
Sampler(s): JSS/JBO

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= ICE 11= _____

List preservative code below: 10

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Paint X2= Concrete X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of ~~Amber Glass~~ PLASTIC	# of Clear Glass	# of Plastic	Analyses: PCB 8082 3540 EXT								
27181-21	BM-41	4/12/11	2:57	G	X1		1			X								
-22	BM-42		2:59				1			X								
-23	BM-43		3:00				1			X								
-24	BM-44		3:06				1			X								
-25	BM-45		3:15				1			X								
-26	BM-46		3:35				1			X								
-27	BM-47		3:45				1			X								
-28	BM-48		4:20				1			X								
-29	BM-49		4:40				1			X								
-30	BM-50		5:02				1			X								

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☐ No☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☒ Other TSCA

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	FEDEX	4/15/11	13:00	
Fed Ex	[signature]	4.16.11	~~3:6~~ 1155 AM	3.6°

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SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 4 of 6

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Westbrook, ME 04092
Telephone #: 207-756-2319
Project Mgr. Jedd Steinglass

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 11001111
Site Name: Sullivan School
Location: Berwick State: ME
Sampler(s): JSS/JBO

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10= ICE 11= _____

List preservative code below: 10

QA/QC Reporting Notes:
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DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Paint X2= Concrete X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass (PLASTIC)	# of Clear Glass	# of Plastic	AMBER LIQUIDS	Analyses: PCB 8082 3540 EXT							
27181-31	BM-51	4/12/11	2:58	G	X1		1				X							
-32	BM-52		3:05				1				X							
-33	BM-53		3:20				1				X							
-34	BM-54		3:50				1				X							
-35	BM-55		4:10				1				X							
-36	BM-56		4:15				1				X							
-37	BM-57		4:21				1				X							
-38	BM-58		4:31		↓		1				X							
-39	BM-59		5:07		X2		1			1	X							
-40	BM-60	↓	5:17	↓	X2		1			1	X							

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☐ No☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☒ Other TSCA

State-specific reporting standards:

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[signature]	FEDEX	4/15/11	13:00	
Fedex	[signature]	4.16.11	11:55am	3.6°

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☒ E-mail to jsteinglass@credereLLC.com

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp ___ °C ☐ Freezer temp ___ °C

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SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 5 of 6

Special Handling:
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Credere Associates LLC
776 Main Street
Westbrook, ME 04092
Telephone #: 207-756-2319
Project Mgr. Jedd Steinglass

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 11001111
Site Name: Sullivan School
Location: Berwick State: ME
Sampler(s): JSS/JBO

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10= ICE 11= _____

List preservative code below: 10

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= Paint X2= Concrete X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of ~~Amber Glass~~ PLASTICS	# of Clear Glass	# of Plastic		Analyses: PCB 8082 3540 EXT							
27181-41	BM-61	4/12/11	5:25	G	X1		1				X							
-42	BM-62		5:27				1				X							
-43	BM-63		5:40				1				X							
-44	BM-64		5:50				1				X							
-45	BM-65		6:05				1				X							
-46	BM-66		6:13				1				X							
-47	BM-67		6:16				1				X							
-48	BM-68		6:26				1				X							
-49	BM-69		6:35				1				X							
-50	BM-70	↓	6:45	↓	↓		1				X							

☒ MA DEP MCP CAM Report: Yes☐ No☐
☐ CT DPH RCP Report: Yes☐ No☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☒ Other TSCA

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	FEDEX	4/15/11	13:00	
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27181

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 6 of 6

Special Handling:
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Credere Associates LLC
776 Main Street
Westbrook, ME 04092
Telephone #: 207-756-2319
Project Mgr. Jedd Steinglass

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 11001111
Site Name: Sullivan School
Location: Berwick State: ME
Sampler(s): JSS/JBO

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= ICE 11= _____

List preservative code below: 10

QA/QC Reporting Notes:
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DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Paint X2= Concrete X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass (PLASTIC)	# of Clear Glass	# of Plastic	PCB 3540	Analyses:
27181-51	BM-71	4/12/11	5:20	G	X1		1			✓	
52	BM-72		5:23				1			✓	
53	BM-73		7:26				1			✓	
54	DUP-01		11:40				1			✓	
55	DUP-02		2:58				1			✓	
56	DUP-03		6:35				1			✓	

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☐ No☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☒ Other TSCA

State-specific reporting standards:

Per client req 4/18/11

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Fed ex	FEDEX	4/15/11	13:00	
		4.16.11	1155AM	3.6°

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Form ID No.

FedEx Retrieval Copy

1 From

Date 12/5/11

Sender's FedEx Account Number

Sender's Name NEDO PRIMICAS Phone

Company CREDENCE ASSOCIATES

Address 770 MAIN ST

Dept./Floor/Suite/Room

City WATERTOWN State MA ZIP 02472

2 Your Internal Billing Reference

3 To

Recipient's Name SAMPLE RECEIVING Phone 413 789-7018

Company SPECTRUM ANALYTICAL

Recipient's Address 11 ALMEN DRIVE

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

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City AGAWAM State MA ZIP 01001-3333

11415

8652 3895 9244

4a Express Package Service

Packages up to 150 lbs.

1 ☒ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

5 ☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

6 ☐ FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.

3 ☐ FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

20 ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

FedEx Envelope rate not available. Minimum charge. One pound rate.

4b Express Freight Service

Packages over 150 lbs.

7 ☐ FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

8 ☐ FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

83 ☐ FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

* Call for Confirmation. ** To select locations.

5 Packaging

6 ☐ FedEx Envelope* 2 ☐ FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak. 3 ☐ FedEx Box 4 ☐ FedEx Tube 7 ☐ Other

6 Special Handling

Include FedEx Address in Section 3.

3 ☒ SATURDAY Delivery — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.

1 ☐ HOLD Weekday at FedEx Location — Not available for FedEx First Overnight.

31 ☐ HOLD Saturday at FedEx Location — Available ONLY at select FedEx locations.

Does this shipment contain dangerous goods? One box must be checked.

☒ No 4 ☐ Yes — As per attached Shipper's Declaration.

☐ Yes — Shipper's Declaration not required. 6 ☐ Dry Ice — Dry Ice, 9, UN 1845 — x kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging. Cargo Aircraft Only

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below.

1 ☐ Sender Acct. No. in Section 1 will be billed. 2 ☒ Recipient 3 ☐ Third Party 4 ☐ Credit Card 5 ☐ Cash/Check

Total Packages 1 Total Weight 15 LBS

*Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

8 Residential Delivery Signature Options

No Signature Required — Package may be left without obtaining a signature for delivery.

10 ☐ Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.

34 ☐ Indirect Signature — Fee applies.

520

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Report Date:
11-May-11 11:36

☐ Final Report
☐ Re-Issued Report
☑ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Credere Associates, LLC
776 Main Street
Westbrook, ME 04092
Attn: Jedd Steinglass

Project: Sullivan School-Berwick, ME
Project #: 11001111

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB27778-01	BM-74	Paint	26-Apr-11 12:50	29-Apr-11 12:00
SB27778-02	BM-75	Paint	26-Apr-11 12:55	29-Apr-11 12:00
SB27778-03	BM-76	Paint	26-Apr-11 13:00	29-Apr-11 12:00
SB27778-04	BM-77	Paint	26-Apr-11 13:11	29-Apr-11 12:00
SB27778-05	BM-78	Paint	26-Apr-11 13:16	29-Apr-11 12:00
SB27778-06	BM-79	Paint	26-Apr-11 13:42	29-Apr-11 12:00
SB27778-07	BM-80	Paint	26-Apr-11 13:58	29-Apr-11 12:00
SB27778-08	BM-81	Paint	26-Apr-11 14:21	29-Apr-11 12:00
SB27778-09	BM-82	Paint	26-Apr-11 14:30	29-Apr-11 12:00
SB27778-10	BM-83	Paint	26-Apr-11 14:45	29-Apr-11 12:00
SB27778-11	BM-84	Paint	26-Apr-11 14:55	29-Apr-11 12:00
SB27778-12	BM-85	Paint	26-Apr-11 14:59	29-Apr-11 12:00
SB27778-13	BM-86	Paint	26-Apr-11 15:02	29-Apr-11 12:00
SB27778-14	BM-87	Paint	26-Apr-11 15:05	29-Apr-11 12:00
SB27778-15	BM-88	Paint	26-Apr-11 15:25	29-Apr-11 12:00
SB27778-16	BM-89	Paint	26-Apr-11 15:33	29-Apr-11 12:00
SB27778-17	BM-90	Paint	26-Apr-11 15:40	29-Apr-11 12:00
SB27778-18	BM-91	Paint	26-Apr-11 16:12	29-Apr-11 12:00
SB27778-19	BM-92	Paint	26-Apr-11 16:20	29-Apr-11 12:00
SB27778-20	BM-93	Mastic	26-Apr-11 16:50	29-Apr-11 12:00
SB27778-21	Dup-04	Paint	26-Apr-11 14:30	29-Apr-11 12:00
SB27778-22	Dup-05	Paint	26-Apr-11 15:02	29-Apr-11 12:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 38 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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CASE NARRATIVE:

The samples were received 5.2 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

SW846 8082 Case Narrative:

There were two sets of duplicate samples submitted for this work order: SB27778-09 and -21 were one set and SB27778-13 and -22 was the other. The detected concentrations did not correlate as duplicates.

With client authorization the remaining aliquot of each of the four samples were ground up and re-extracted. Samples SB27778-09 and -21 showed RPD values acceptable for duplicate samples. SB2778-13 and -22 did not. Both sets of data for each of the four samples is included.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Duplicates:

1107867-DUP1 *Source: SB27778-01*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

Samples:

SB27778-01 *BM-74*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27778-02 *BM-75*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

SB27778-03 *BM-76*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

SB27778-04 *BM-77*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SW846 8082A

Samples:

SB27778-04 *BM-77*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27778-05 *BM-78*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB27778-06 *BM-79*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB27778-07 *BM-80*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

SB27778-08 *BM-81*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

SB27778-09RE1 *BM-82*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB27778-09RE2 *BM-82*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB27778-10 *BM-83*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SW846 8082A

Samples:

SB27778-10 *BM-83*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27778-11 *BM-84*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27778-12 *BM-85*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB27778-13 *BM-86*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB27778-13RE1 *BM-86*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB27778-14 *BM-87*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB27778-15 *BM-88*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27778-16 *BM-89*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27778-17 *BM-90*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SW846 8082A

Samples:

SB27778-17 *BM-90*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27778-18 *BM-91*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB27778-19 *BM-92*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB27778-20 *BM-93*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB27778-21RE1 *Dup-04*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1254 [2C]

SB27778-21RE2 *Dup-04*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB27778-21RE3 *Dup-04*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB27778-22 *Dup-05*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1254

SB27778-22RE1 *Dup-05*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB27778-22RE2 *Dup-05*

SW846 8082A

Samples:

SB27778-22RE2 *Dup-05*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-74	11001111	Paint	26-Apr-11 12:50	29-Apr-11
SB27778-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	483	5	SW846 8082A	02-May-11	04-May-11	IMR	1107867	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	483	5	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	483	5	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	483	5	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	483	5	"	"	"	"	"	X
11097-69-1	Aroclor-1254	28,500		µg/kg dry	483	5	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	483	5	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	483	5	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	483	5	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*6180*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	96.1		%		1	SM2540 G Mod.	03-May-11	03-May-11	GMA	1108037	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-75	11001111	Paint	26-Apr-11 12:55	29-Apr-11
SB27778-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	510	5	SW846 8082A	02-May-11	04-May-11	IMR	1107867	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	510	5	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	510	5	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	510	5	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	510	5	"	"	"	"	"	X
11097-69-1	Aroclor-1254	34,300		µg/kg dry	510	5	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	510	5	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	510	5	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	510	5	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*200*	S02		*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	96.8		%		1	SM2540 G Mod.	03-May-11	03-May-11	GMA	1108037	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-76	11001111	Paint	26-Apr-11 13:00	29-Apr-11
SB27778-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	504	5	SW846 8082A	02-May-11	04-May-11	IMR	1107867	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	504	5	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	504	5	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	504	5	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	504	5	"	"	"	"	"	X
11097-69-1	Aroclor-1254	42,300		µg/kg dry	504	5	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	504	5	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	504	5	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	504	5	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*200*	S02		*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	95.8		%		1	SM2540 G Mod.	03-May-11	03-May-11	GMA	1108038	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-77	11001111	Paint	26-Apr-11 13:11	29-Apr-11
SB27778-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	478	5	SW846 8082A	02-May-11	04-May-11	IMR	1107867	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	478	5	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	478	5	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	478	5	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	478	5	"	"	"	"	"	X
11097-69-1	Aroclor-1254	23,700		µg/kg dry	478	5	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	478	5	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	478	5	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	478	5	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*4830*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.5		%		1	SM2540 G Mod.	03-May-11	03-May-11	GMA	1108038	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-78	11001111	Paint	26-Apr-11 13:16	29-Apr-11
SB27778-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	459	5	SW846 8082A	02-May-11	04-May-11	IMR	1107867	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	459	5	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	459	5	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	459	5	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	459	5	"	"	"	"	"	X
11097-69-1	Aroclor-1254	46,000		µg/kg dry	459	5	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	459	5	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	459	5	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	459	5	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.9		%		1	SM2540 G Mod.	03-May-11	03-May-11	GMA	1108038	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-79	11001111	Paint	26-Apr-11 13:42	29-Apr-11
SB27778-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	4820	50	SW846 8082A	02-May-11	05-May-11	IMR	1107867	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	4820	50	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	4820	50	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	4820	50	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	4820	50	"	"	"	"	"	X
11097-69-1	Aroclor-1254	247,000		µg/kg dry	4820	50	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	4820	50	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	4820	50	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	4820	50	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.5		%		1	SM2540 G Mod.	03-May-11	03-May-11	GMA	1108038	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-80	11001111	Paint	26-Apr-11 13:58	29-Apr-11
SB27778-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	501	5	SW846 8082A	02-May-11	04-May-11	IMR	1107867	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	501	5	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	501	5	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	501	5	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	501	5	"	"	"	"	"	X
11097-69-1	Aroclor-1254	63,800		µg/kg dry	501	5	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	501	5	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	501	5	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	501	5	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*125*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*350*	S02		*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.4		%		1	SM2540 G Mod.	03-May-11	03-May-11	GMA	1108038	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-81	11001111	Paint	26-Apr-11 14:21	29-Apr-11
SB27778-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	492	5	SW846 8082A	02-May-11	04-May-11	IMR	1107867	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	492	5	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	492	5	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	492	5	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	492	5	"	"	"	"	"	X
11097-69-1	Aroclor-1254	110,000		µg/kg dry	492	5	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	492	5	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	492	5	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	492	5	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*225*	S02		*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.6		%		1	SM2540 G Mod.	03-May-11	03-May-11	GMA	1108038	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-82	11001111	Paint	26-Apr-11 14:30	29-Apr-11
SB27778-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	96.0	1	SW846 8082A	02-May-11	06-May-11	IMR	1108284	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	96.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	96.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	96.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	96.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	6,240		µg/kg dry	96.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	96.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	96.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	96.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*2680*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*225*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*200*	S02		*30-150 %*		"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	92.1	1	SW846 8082A	09-May-11	10-May-11	SM	1108530	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	92.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	92.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	92.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	92.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	9,040		µg/kg dry	92.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	92.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	92.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	92.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*5070*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*280*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*290*	S02		*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	97.5		%		1	SM2540 G Mod.	03-May-11	03-May-11	GMA	1108038	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-83	11001111	Paint	26-Apr-11 14:45	29-Apr-11
SB27778-10				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	487	5	SW846 8082A	02-May-11	04-May-11	IMR	1107867	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	487	5	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	487	5	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	487	5	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	487	5	"	"	"	"	"	X
11097-69-1	Aroclor-1254	5,330		µg/kg dry	487	5	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	487	5	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	487	5	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	487	5	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*2030*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	97.7		%		1	SM2540 G Mod.	03-May-11	03-May-11	GMA	1108038	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-84	11001111	Paint	26-Apr-11 14:55	29-Apr-11
SB27778-11				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	491	5	SW846 8082A	02-May-11	04-May-11	IMR	1107867	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	491	5	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	491	5	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	491	5	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	491	5	"	"	"	"	"	X
11097-69-1	Aroclor-1254	5,350		µg/kg dry	491	5	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	491	5	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	491	5	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	491	5	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*1880*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.1		%		1	SM2540 G Mod.	03-May-11	03-May-11	GMA	1108038	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-85	11001111	Paint	26-Apr-11 14:59	29-Apr-11
SB27778-12				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	497	5	SW846 8082A	02-May-11	04-May-11	IMR	1107867	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	497	5	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	497	5	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	497	5	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	497	5	"	"	"	"	"	X
11097-69-1	Aroclor-1254	31,700		µg/kg dry	497	5	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	497	5	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	497	5	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	497	5	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	96.3		%		1	SM2540 G Mod.	03-May-11	03-May-11	GMA	1108038	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-86	11001111	Paint	26-Apr-11 15:02	29-Apr-11
SB27778-13				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	479	5	SW846 8082A	02-May-11	04-May-11	IMR	1107867	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	479	5	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	479	5	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	479	5	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	479	5	"	"	"	"	"	X
11097-69-1	Aroclor-1254	39,300		µg/kg dry	479	5	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	479	5	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	479	5	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	479	5	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*		"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	846	10	SW846 8082A	09-May-11	10-May-11	SM	1108530	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	846	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	846	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	846	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	846	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	61,900		µg/kg dry	846	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	846	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	846	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	846	10	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*350*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*200*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*400*	S02		*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.0		%		1	SM2540 G Mod.	03-May-11	03-May-11	GMA	1108038	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-87	11001111	Paint	26-Apr-11 15:05	29-Apr-11
SB27778-14				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	523	5	SW846 8082A	02-May-11	04-May-11	IMR	1107867	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	523	5	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	523	5	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	523	5	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	523	5	"	"	"	"	"	X
11097-69-1	Aroclor-1254	4,400		µg/kg dry	523	5	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	523	5	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	523	5	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	523	5	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*125*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	94.0		%		1	SM2540 G Mod.	03-May-11	03-May-11	GMA	1108038	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-88	11001111	Paint	26-Apr-11 15:25	29-Apr-11
SB27778-15				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	462	5	SW846 8082A	02-May-11	04-May-11	IMR	1107867	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	462	5	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	462	5	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	462	5	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	462	5	"	"	"	"	"	X
11097-69-1	Aroclor-1254	3,860		µg/kg dry	462	5	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	462	5	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	462	5	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	462	5	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*10100*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.5		%		1	SM2540 G Mod.	03-May-11	03-May-11	GMA	1108038	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-89	11001111	Paint	26-Apr-11 15:33	29-Apr-11
SB27778-16				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	487	5	SW846 8082A	02-May-11	04-May-11	IMR	1107867	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	487	5	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	487	5	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	487	5	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	487	5	"	"	"	"	"	X
11097-69-1	Aroclor-1254	5,970		µg/kg dry	487	5	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	487	5	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	487	5	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	487	5	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*5980*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.8		%		1	SM2540 G Mod.	03-May-11	03-May-11	GMA	1108038	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-90	11001111	Paint	26-Apr-11 15:40	29-Apr-11
SB27778-17				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	456	5	SW846 8082A	02-May-11	04-May-11	IMR	1107867	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	456	5	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	456	5	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	456	5	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	456	5	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,140		µg/kg dry	456	5	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	456	5	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	456	5	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	456	5	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*4730*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.2		%		1	SM2540 G Mod.	03-May-11	03-May-11	GMA	1108038	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-91	11001111	Paint	26-Apr-11 16:12	29-Apr-11
SB27778-18				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	482	5	SW846 8082A	02-May-11	04-May-11	IMR	1107867	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	482	5	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	482	5	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	482	5	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	482	5	"	"	"	"	"	X
11097-69-1	Aroclor-1254	6,710		µg/kg dry	482	5	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	482	5	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	482	5	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	482	5	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*275*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.2		%		1	SM2540 G Mod.	03-May-11	03-May-11	GMA	1108038	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-92	11001111	Paint	26-Apr-11 16:20	29-Apr-11
SB27778-19				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	478	5	SW846 8082A	02-May-11	04-May-11	IMR	1107867	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	478	5	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	478	5	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	478	5	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	478	5	"	"	"	"	"	X
11097-69-1	Aroclor-1254	7,540		µg/kg dry	478	5	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	478	5	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	478	5	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	478	5	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.8		%		1	SM2540 G Mod.	03-May-11	03-May-11	GMA	1108038	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
BM-93	11001111	Mastic	26-Apr-11 16:50	29-Apr-11
SB27778-20				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	481	5	SW846 8082A	02-May-11	04-May-11	IMR	1107867	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	481	5	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	481	5	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	481	5	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	481	5	"	"	"	"	"	X
11097-69-1	Aroclor-1254	698		µg/kg dry	481	5	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	481	5	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	481	5	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	481	5	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.7		%		1	SM2540 G Mod.	03-May-11	03-May-11	GMA	1108038	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Dup-04	11001111	Paint	26-Apr-11 14:30	29-Apr-11
SB27778-21				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	99.7	1	SW846 8082A	04-May-11	05-May-11	IMR	1108143	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	99.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	99.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	99.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	99.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	37,500	E	µg/kg dry	99.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	99.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	99.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	99.7	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*45*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*55*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*		"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	997	10	SW846 8082A	04-May-11	06-May-11	IMR	1108143	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	997	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	997	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	997	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	997	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	41,100		µg/kg dry	997	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	997	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	997	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	997	10	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*50*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*		"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	85.9	1	SW846 8082A	09-May-11	10-May-11	SM	1108530	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	85.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	85.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	85.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	85.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	9,440		µg/kg dry	85.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	85.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	85.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	85.9	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Dup-04 SB27778-21	11001111	Paint	26-Apr-11 14:30	29-Apr-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*4880*	S02		*30-150 %*		SW846 8082A	09-May-11	10-May-11	SM	1108530	
2051-24-3	*Decachlorobiphenyl (Sr)*	*485*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*295*	S02		*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.6		%		1	SM2540 G Mod.	03-May-11	03-May-11	GMA	1108038	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Dup-05	11001111	Paint	26-Apr-11 15:02	29-Apr-11
SB27778-22				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	98.2	1	SW846 8082A	02-May-11	04-May-11	SM	1107866	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	98.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	98.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	98.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	98.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	168,000	E	µg/kg dry	98.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	98.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	98.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	98.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*144*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*103*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*108*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*86*			*30-150 %*		"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	4910	50	SW846 8082A	02-May-11	04-May-11	SM	1107866	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	4910	50	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	4910	50	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	4910	50	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	4910	50	"	"	"	"	"	X
11097-69-1	Aroclor-1254	245,000		µg/kg dry	4910	50	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	4910	50	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	4910	50	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	4910	50	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*		"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	4550	50	SW846 8082A	09-May-11	10-May-11	SM	1108530	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	4550	50	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	4550	50	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	4550	50	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	4550	50	"	"	"	"	"	X
11097-69-1	Aroclor-1254	179,000		µg/kg dry	4550	50	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	4550	50	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	4550	50	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	4550	50	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Dup-05	11001111	Paint	26-Apr-11 15:02	29-Apr-11
SB27778-22				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*		SW846 8082A	09-May-11	10-May-11	SM	1108530	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	97.3		%		1	SM2540 G Mod.	03-May-11	03-May-11	GMA	1108038	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1107866 - SW846 3540C										
Blank (1107866-BLK1)						Prepared: 02-May-11 Analyzed: 03-May-11				
Aroclor-1016	BRL		µg/kg wet	20.0						
Aroclor-1016 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1221	BRL		µg/kg wet	20.0						
Aroclor-1221 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1232	BRL		µg/kg wet	20.0						
Aroclor-1232 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1242	BRL		µg/kg wet	20.0						
Aroclor-1242 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1248	BRL		µg/kg wet	20.0						
Aroclor-1248 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1254	BRL		µg/kg wet	20.0						
Aroclor-1254 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1260	BRL		µg/kg wet	20.0						
Aroclor-1260 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1262	BRL		µg/kg wet	20.0						
Aroclor-1262 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1268	BRL		µg/kg wet	20.0						
Aroclor-1268 [2C]	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*24.1*		µg/kg wet		*20.0*		*121*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.7*		µg/kg wet		*20.0*		*94*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.5*		µg/kg wet		*20.0*		*88*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.2*		µg/kg wet		*20.0*		*86*	*30-150*		
LCS (1107866-BS1)						Prepared: 02-May-11 Analyzed: 03-May-11				
Aroclor-1016	224		µg/kg wet	20.0	250		90	50-140		
Aroclor-1016 [2C]	236		µg/kg wet	20.0	250		94	50-140		
Aroclor-1260	214		µg/kg wet	20.0	250		86	50-140		
Aroclor-1260 [2C]	221		µg/kg wet	20.0	250		89	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.5*		µg/kg wet		*20.0*		*103*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.5*		µg/kg wet		*20.0*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.8*		µg/kg wet		*20.0*		*89*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.2*		µg/kg wet		*20.0*		*86*	*30-150*		
LCS Dup (1107866-BSD1)						Prepared: 02-May-11 Analyzed: 03-May-11				
Aroclor-1016	229		µg/kg wet	20.0	250		92	50-140	2	30
Aroclor-1016 [2C]	231		µg/kg wet	20.0	250		92	50-140	2	30
Aroclor-1260	218		µg/kg wet	20.0	250		87	50-140	1	30
Aroclor-1260 [2C]	218		µg/kg wet	20.0	250		87	50-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.4*		µg/kg wet		*20.0*		*102*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.3*		µg/kg wet		*20.0*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.7*		µg/kg wet		*20.0*		*88*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.1*		µg/kg wet		*20.0*		*86*	*30-150*		
Batch 1107867 - SW846 3540C										
Blank (1107867-BLK1)						Prepared: 02-May-11 Analyzed: 04-May-11				
Aroclor-1016	BRL		µg/kg wet	100						
Aroclor-1016 [2C]	BRL		µg/kg wet	100						
Aroclor-1221	BRL		µg/kg wet	100						
Aroclor-1221 [2C]	BRL		µg/kg wet	100						
Aroclor-1232	BRL		µg/kg wet	100						
Aroclor-1232 [2C]	BRL		µg/kg wet	100						
Aroclor-1242	BRL		µg/kg wet	100						
Aroclor-1242 [2C]	BRL		µg/kg wet	100						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1107867 - SW846 3540C										
Blank (1107867-BLK1)					Prepared: 02-May-11 Analyzed: 04-May-11					
Aroclor-1248	BRL		µg/kg wet	100						
Aroclor-1248 [2C]	BRL		µg/kg wet	100						
Aroclor-1254	BRL		µg/kg wet	100						
Aroclor-1254 [2C]	BRL		µg/kg wet	100						
Aroclor-1260	BRL		µg/kg wet	100						
Aroclor-1260 [2C]	BRL		µg/kg wet	100						
Aroclor-1262	BRL		µg/kg wet	100						
Aroclor-1262 [2C]	BRL		µg/kg wet	100						
Aroclor-1268	BRL		µg/kg wet	100						
Aroclor-1268 [2C]	BRL		µg/kg wet	100						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*90.0*		µg/kg wet		*100*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*100*		µg/kg wet		*100*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*90.0*		µg/kg wet		*100*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*85.0*		µg/kg wet		*100*		*85*	*30-150*		
LCS (1107867-BS1)					Prepared: 02-May-11 Analyzed: 04-May-11					
Aroclor-1016	1200		µg/kg wet	100	1250		96	50-140		
Aroclor-1016 [2C]	1210		µg/kg wet	100	1250		96	50-140		
Aroclor-1260	1140		µg/kg wet	100	1250		91	50-140		
Aroclor-1260 [2C]	1060		µg/kg wet	100	1250		84	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*90.0*		µg/kg wet		*100*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*100*		µg/kg wet		*100*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*100*		µg/kg wet		*100*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*90.0*		µg/kg wet		*100*		*90*	*30-150*		
LCS Dup (1107867-BSD1)					Prepared: 02-May-11 Analyzed: 04-May-11					
Aroclor-1016	1330		µg/kg wet	100	1250		106	50-140	11	30
Aroclor-1016 [2C]	1170		µg/kg wet	100	1250		94	50-140	3	30
Aroclor-1260	1190		µg/kg wet	100	1250		95	50-140	4	30
Aroclor-1260 [2C]	1050		µg/kg wet	100	1250		84	50-140	0.5	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*95.0*		µg/kg wet		*100*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*95.0*		µg/kg wet		*100*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*90.0*		µg/kg wet		*100*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*85.0*		µg/kg wet		*100*		*85*	*30-150*		
Duplicate (1107867-DUP1)			**Source: SB27778-01**		Prepared: 02-May-11 Analyzed: 04-May-11					
Aroclor-1016	BRL		µg/kg dry	509		BRL				40
Aroclor-1016 [2C]	BRL		µg/kg dry	509		BRL				40
Aroclor-1221	BRL		µg/kg dry	509		BRL				40
Aroclor-1221 [2C]	BRL		µg/kg dry	509		BRL				40
Aroclor-1232	BRL		µg/kg dry	509		BRL				40
Aroclor-1232 [2C]	BRL		µg/kg dry	509		BRL				40
Aroclor-1242	BRL		µg/kg dry	509		BRL				40
Aroclor-1242 [2C]	BRL		µg/kg dry	509		BRL				40
Aroclor-1248	BRL		µg/kg dry	509		BRL				40
Aroclor-1248 [2C]	BRL		µg/kg dry	509		BRL				40
Aroclor-1254	30200		µg/kg dry	509		28500			6	40
Aroclor-1254 [2C]	27000		µg/kg dry	509		25800			5	40
Aroclor-1260	BRL		µg/kg dry	509		BRL				40
Aroclor-1260 [2C]	BRL		µg/kg dry	509		BRL				40
Aroclor-1262	BRL		µg/kg dry	509		BRL				40
Aroclor-1262 [2C]	BRL		µg/kg dry	509		BRL				40
Aroclor-1268	BRL		µg/kg dry	509		BRL				40

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1107867 - SW846 3540C										
Duplicate (1107867-DUP1)			**Source: SB27778-01**		Prepared: 02-May-11 Analyzed: 04-May-11					
Aroclor-1268 [2C]	BRL		µg/kg dry	509		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*102*		µg/kg dry		*102*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*4960*	S02	µg/kg dry		*102*		*4880*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*102*		µg/kg dry		*102*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*76.3*		µg/kg dry		*102*		*75*	*30-150*		
Batch 1108143 - SW846 3540C										
Blank (1108143-BLK1)					Prepared: 04-May-11 Analyzed: 05-May-11					
Aroclor-1016	BRL		µg/kg wet	20.0						
Aroclor-1016 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1221	BRL		µg/kg wet	20.0						
Aroclor-1221 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1232	BRL		µg/kg wet	20.0						
Aroclor-1232 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1242	BRL		µg/kg wet	20.0						
Aroclor-1242 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1248	BRL		µg/kg wet	20.0						
Aroclor-1248 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1254	BRL		µg/kg wet	20.0						
Aroclor-1254 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1260	BRL		µg/kg wet	20.0						
Aroclor-1260 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1262	BRL		µg/kg wet	20.0						
Aroclor-1262 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1268	BRL		µg/kg wet	20.0						
Aroclor-1268 [2C]	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
LCS (1108143-BS1)					Prepared: 04-May-11 Analyzed: 05-May-11					
Aroclor-1016	227		µg/kg wet	20.0	250		91	50-140		
Aroclor-1016 [2C]	231		µg/kg wet	20.0	250		92	50-140		
Aroclor-1260	212		µg/kg wet	20.0	250		85	50-140		
Aroclor-1260 [2C]	201		µg/kg wet	20.0	250		80	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
LCS Dup (1108143-BSD1)					Prepared: 04-May-11 Analyzed: 05-May-11					
Aroclor-1016	224		µg/kg wet	20.0	250		90	50-140	1	30
Aroclor-1016 [2C]	232		µg/kg wet	20.0	250		93	50-140	0.4	30
Aroclor-1260	216		µg/kg wet	20.0	250		86	50-140	2	30
Aroclor-1260 [2C]	209		µg/kg wet	20.0	250		84	50-140	4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Batch 1108284 - SW846 3540C										
Blank (1108284-BLK1)					Prepared: 05-May-11 Analyzed: 06-May-11					
Aroclor-1016	BRL		µg/kg wet	100						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1108284 - SW846 3540C										
Blank (1108284-BLK1)						Prepared: 05-May-11 Analyzed: 06-May-11				
Aroclor-1016 [2C]	BRL		µg/kg wet	100						
Aroclor-1221	BRL		µg/kg wet	100						
Aroclor-1221 [2C]	BRL		µg/kg wet	100						
Aroclor-1232	BRL		µg/kg wet	100						
Aroclor-1232 [2C]	BRL		µg/kg wet	100						
Aroclor-1242	BRL		µg/kg wet	100						
Aroclor-1242 [2C]	BRL		µg/kg wet	100						
Aroclor-1248	BRL		µg/kg wet	100						
Aroclor-1248 [2C]	BRL		µg/kg wet	100						
Aroclor-1254	BRL		µg/kg wet	100						
Aroclor-1254 [2C]	BRL		µg/kg wet	100						
Aroclor-1260	BRL		µg/kg wet	100						
Aroclor-1260 [2C]	BRL		µg/kg wet	100						
Aroclor-1262	BRL		µg/kg wet	100						
Aroclor-1262 [2C]	BRL		µg/kg wet	100						
Aroclor-1268	BRL		µg/kg wet	100						
Aroclor-1268 [2C]	BRL		µg/kg wet	100						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*90.0*		µg/kg wet		*100*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*100*		µg/kg wet		*100*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*95.0*		µg/kg wet		*100*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*90.0*		µg/kg wet		*100*		*90*	*30-150*		
LCS (1108284-BS1)						Prepared: 05-May-11 Analyzed: 06-May-11				
Aroclor-1016	1150		µg/kg wet	100	1250		92	50-140		
Aroclor-1016 [2C]	1220		µg/kg wet	100	1250		97	50-140		
Aroclor-1260	1070		µg/kg wet	100	1250		86	50-140		
Aroclor-1260 [2C]	920		µg/kg wet	100	1250		74	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*95.0*		µg/kg wet		*100*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*100*		µg/kg wet		*100*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*95.0*		µg/kg wet		*100*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*100*		µg/kg wet		*100*		*100*	*30-150*		
LCS Dup (1108284-BSD1)						Prepared: 05-May-11 Analyzed: 06-May-11				
Aroclor-1016	1120		µg/kg wet	100	1250		90	50-140	3	30
Aroclor-1016 [2C]	1200		µg/kg wet	100	1250		96	50-140	1	30
Aroclor-1260	1030		µg/kg wet	100	1250		82	50-140	4	30
Aroclor-1260 [2C]	935		µg/kg wet	100	1250		75	50-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*95.0*		µg/kg wet		*100*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*100*		µg/kg wet		*100*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*90.0*		µg/kg wet		*100*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*95.0*		µg/kg wet		*100*		*95*	*30-150*		
Batch 1108530 - SW846 3540C										
Blank (1108530-BLK1)						Prepared: 09-May-11 Analyzed: 10-May-11				
Aroclor-1016	BRL		µg/kg wet	100						
Aroclor-1016 [2C]	BRL		µg/kg wet	100						
Aroclor-1221	BRL		µg/kg wet	100						
Aroclor-1221 [2C]	BRL		µg/kg wet	100						
Aroclor-1232	BRL		µg/kg wet	100						
Aroclor-1232 [2C]	BRL		µg/kg wet	100						
Aroclor-1242	BRL		µg/kg wet	100						
Aroclor-1242 [2C]	BRL		µg/kg wet	100						
Aroclor-1248	BRL		µg/kg wet	100						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1108530 - SW846 3540C										
Blank (1108530-BLK1)					Prepared: 09-May-11 Analyzed: 10-May-11					
Aroclor-1248 [2C]	BRL		µg/kg wet	100						
Aroclor-1254	BRL		µg/kg wet	100						
Aroclor-1254 [2C]	BRL		µg/kg wet	100						
Aroclor-1260	BRL		µg/kg wet	100						
Aroclor-1260 [2C]	BRL		µg/kg wet	100						
Aroclor-1262	BRL		µg/kg wet	100						
Aroclor-1262 [2C]	BRL		µg/kg wet	100						
Aroclor-1268	BRL		µg/kg wet	100						
Aroclor-1268 [2C]	BRL		µg/kg wet	100						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*65.0*		µg/kg wet		*100*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*75.0*		µg/kg wet		*100*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*60.0*		µg/kg wet		*100*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*80.0*		µg/kg wet		*100*		*80*	*30-150*		
LCS (1108530-BS1)					Prepared: 09-May-11 Analyzed: 10-May-11					
Aroclor-1016	1220		µg/kg wet	100	1250		98	50-140		
Aroclor-1016 [2C]	1240		µg/kg wet	100	1250		99	50-140		
Aroclor-1260	1060		µg/kg wet	100	1250		85	50-140		
Aroclor-1260 [2C]	1140		µg/kg wet	100	1250		91	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*100*		µg/kg wet		*100*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*90.0*		µg/kg wet		*100*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*90.0*		µg/kg wet		*100*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*90.0*		µg/kg wet		*100*		*90*	*30-150*		
LCS Dup (1108530-BSD1)					Prepared: 09-May-11 Analyzed: 10-May-11					
Aroclor-1016	1300		µg/kg wet	100	1250		104	50-140	6	30
Aroclor-1016 [2C]	1140		µg/kg wet	100	1250		91	50-140	9	30
Aroclor-1260	1070		µg/kg wet	100	1250		86	50-140	0.9	30
Aroclor-1260 [2C]	1010		µg/kg wet	100	1250		80	50-140	13	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*95.0*		µg/kg wet		*100*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*90.0*		µg/kg wet		*100*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*90.0*		µg/kg wet		*100*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*85.0*		µg/kg wet		*100*		*85*	*30-150*		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1108038 - General Preparation										
Duplicate (1108038-DUP1)			**Source: SB27778-03**			Prepared & Analyzed: 03-May-11				
% Solids	95.1		%			95.8			0.8	20

Notes and Definitions

E	The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor
Nicole Leja

SB27778 dg

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 3

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5/6
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Jedd Steinglass
Credere Associates LLC
776 Main Street
Westbrook, ME 04092
Telephone #: 207-756-2319
Project Mgr. Jedd Steinglass

Invoice To: Same.

P.O. No.: _____ RQN: _____

Project No.: 11001111
Site Name: Sullivan School
Location: Berwick State: ME
Sampler(s): JSS

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= ICE 11= _____

List preservative code below: 10

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= PAINT X2= MASTIC X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Plastic Bag	Analyses: PCB 8082 3550B Extract							
27778-01	BM-74	4/26/11	12:50	G	X1					X	X							
-02	BM-75		12:55							X	X							
-03	BM-76		1:00							X	X							
-04	BM-77		1:11							X	X							
-05	BM-78		1:16							X	X							
-06	BM-79		1:42							X	X							
-07	BM-80		1:58							X	X							
-08	BM-81		2:21							X	X							
-09	BM-82		2:30							X	X							
-10	BM-83		2:45							X	X							

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☐ No☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☒ Other TSCA

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature] FedEx	FEDEX [signature]	4/28/11	17:00	
		4-28-11	1200	5.2

☒ EDD Format PDF / ME EGAD
☒ E-mail to jsteinglass@credereLLC.com

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp ___ °C ☐ Freezer temp ___ °C

SB27778 dg

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 3

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
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Credere Associates LLC
776 Main Street
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Project Mgr. Jedd Steinglass

Invoice To: Same.

P.O. No.: _____ RQN: _____

Project No.: 11001111
Site Name: Sullivan School
Location: Berwick State: ME
Sampler(s): JSS

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= ICE 11= _____

List preservative code below: 10

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= PAINT X2= MASTIC X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: PLASTIC BAG	PCB 8082 3540 EXTRACT							
27778-11	BM-84	4/26/11	2:55	G	X1					X	X							
-12	BM-85		2:59							X	X							
-13	BM-86		3:02							X	X							
-14	BM-87		3:05							X	X							
-15	BM-88		3:25							X	X							
-16	BM-89		3:33							X	X							
-17	BM-90		3:40							X	X							
-18	BM-91		4:12							X	X							
-19	BM-92		4:20		↓					X	X							
-20	BM-93	↓	4:50	↓	X2					X	X							

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☒ Other TSCA
State-specific reporting standards:

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☐ No☐

Relinquished by:	Received by:	Date:	Time:	Temp°C
FED-EX	FEDEX	4/28/11	17:00	
		4-28-11	12:00	5.2

☒ EDD Format PDF / ME EGAD
☒ E-mail to jsteinglass@credereLLC.com

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp ___ °C ☐ Freezer temp ___ °C

SB27778

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 3

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5/6
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Jedd Steinglass
Credere Associates LLC
776 Main Street
Westbrook, ME 04092
Telephone #: 207-756-2319
Project Mgr. Jedd Steinglass

Invoice To: Same.

P.O. No.: _____ RQN: _____

Project No.: 11001111
Site Name: Sullivan School
Location: Berwick State: ME
Sampler(s): JSS

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= ICE 11= _____

List preservative code below: 10

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= PAINT X2= MASTIC X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: PLASTIC BAG	PCB 8082 3540 EXTRACT							
27778-21	Dup-04	4/26/11	2:30	G	X1					X	X							
22	Dup-05	4/26/11	3:02	G	X1					X	X							

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☐ No☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☒ Other TSCA

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
FED-EX	FEDEX	4/28/11	17:00	
		4-29-11	12:00	5.2

☒ EDD Format PDF / ME EGAD
☒ E-mail to jsteinglass@credereLLC.com

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp ___ °C ☐ Freezer temp ___ °C